

FILE 'HOME' ENTERED AT 14:54:14 ON 11 NOV 2005

=> embase, caplus

EMBASE, IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> fil embase, caplus, uspatall

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'EMBASE' ENTERED AT 14:54:40 ON 11 NOV 2005

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FILE 'CAPLUS' ENTERED AT 14:54:40 ON 11 NOV 2005

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FILE 'USPATFULL' ENTERED AT 14:54:40 ON 11 NOV 2005

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FILE 'USPAT2' ENTERED AT 14:54:40 ON 11 NOV 2005

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=> s body (3a) (odor or odour)

L1	191	FILE EMBASE
L2	554	FILE CAPLUS
L3	1306	FILE USPATFULL
L4	142	FILE USPAT2

TOTAL FOR ALL FILES

L5	2193	BODY (3A) (ODOR OR ODOUR)
----	------	---------------------------

=> s (diphenyl ether?)

L6	966	FILE EMBASE
L7	6487	FILE CAPLUS
L8	15069	FILE USPATFULL
L9	1094	FILE USPAT2

TOTAL FOR ALL FILES

L10	23616	(DIPHENYL ETHER?)
-----	-------	-------------------

=> s l10 (1s) l5

L11	0	FILE EMBASE
L12	0	FILE CAPLUS
L13	5	FILE USPATFULL
L14	0	FILE USPAT2

TOTAL FOR ALL FILES

L15	5	L10 (1S) L5
-----	---	-------------

=> d 1-5 hit, ibib

L16	0	(HYDROXYDIPHENYL ETHER?)
-----	---	--------------------------

=> fil embase, caplus, uspatall

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.18	24.01

FILE 'EMBASE' ENTERED AT 14:58:32 ON 11 NOV 2005

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FILE 'USPAT2' ENTERED AT 14:58:32 ON 11 NOV 2005  
CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

=> s (hydroxydiphenyl ether?)

L17 42 FILE EMBASE  
L18 574 FILE CAPLUS  
L19 1085 FILE USPATFULL  
L20 68 FILE USPAT2

TOTAL FOR ALL FILES

L21 1769 (HYDROXYDIPHENYL ETHER?)

=> s l21 (1s) 15

L22 0 FILE EMBASE  
L23 7 FILE CAPLUS  
L24 8 FILE USPATFULL  
L25 1 FILE USPAT2

TOTAL FOR ALL FILES

L26 16 L21 (1s) L5

=> s l26 not l15

L27 0 FILE EMBASE  
L28 7 FILE CAPLUS  
L29 8 FILE USPATFULL  
L30 1 FILE USPAT2

TOTAL FOR ALL FILES

L31 16 L26 NOT L15

=> d 1-7 hit

=> s (bacteria? or microorganism?) (30a) caus? (30a) 15

L32 0 FILE EMBASE  
L33 11 FILE CAPLUS  
L34 94 FILE USPATFULL  
L35 5 FILE USPAT2

TOTAL FOR ALL FILES

L36 110 (BACTERIA? OR MICROORGANISM?) (30A) CAUS? (30A) L5

=> s l36 and (staphylococcus or escherichia or andida or aspergillus)

L37 0 FILE EMBASE  
L38 3 FILE CAPLUS  
L39 40 FILE USPATFULL  
L40 2 FILE USPAT2

TOTAL FOR ALL FILES

L41 45 L36 AND (STAPHYLOCOCCUS OR ESCHERICHIA OR ANDIDA OR ASPERGILLUS)

FILE 'HOME' ENTERED AT 14:54:14 ON 11 NOV 2005

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=> s body (3a) (odor or odour)

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L3	1306	FILE USPATFULL
L4	142	FILE USPAT2

TOTAL FOR ALL FILES

L5	2193	BODY (3A) (ODOR OR ODOUR)
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=> s (diphenyl ether?)

L6	966	FILE EMBASE
L7	6487	FILE CAPLUS
L8	15069	FILE USPATFULL
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TOTAL FOR ALL FILES

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L12	0	FILE CAPLUS
L13	5	FILE USPATFULL
L14	0	FILE USPAT2

TOTAL FOR ALL FILES

L15	5	L10 (1S) L5
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=> d 1-5 hit, ibib

L16	0	(HYDROXYDIPHENYL ETHER?)
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=> fil embase, caplus, uspatall

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
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FILE 'USPATFULL' ENTERED AT 14:58:32 ON 11 NOV 2005  
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FILE 'USPAT2' ENTERED AT 14:58:32 ON 11 NOV 2005  
CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

```
=> s (hydroxydiphenyl ether?)
L17          42 FILE EMBASE
L18          574 FILE CAPLUS
L19         1085 FILE USPATFULL
L20          68 FILE USPAT2
```

TOTAL FOR ALL FILES  
L21 1769 (HYDROXYDIPHENYL ETHER?)

```
=> s l21 (1s) 15
L22           0 FILE EMBASE
L23           7 FILE CAPLUS
L24           8 FILE USPATFULL
L25           1 FILE USPAT2
```

TOTAL FOR ALL FILES  
L26 16 L21 (1S) L5

```
=> s l26 not 115
L27           0 FILE EMBASE
L28           7 FILE CAPLUS
L29           8 FILE USPATFULL
L30           1 FILE USPAT2
```

TOTAL FOR ALL FILES  
L31 16 L26 NOT L15

```
=> d 1-7 hit
=> s (bacteria? or microorganism?) (30a) caus? (30a) 15
L32           0 FILE EMBASE
L33          11 FILE CAPLUS
L34          94 FILE USPATFULL
L35           5 FILE USPAT2
```

TOTAL FOR ALL FILES  
L36 110 (BACTERIA? OR MICROORGANISM?) (30A) CAUS? (30A) L5

```
=> s l36 and (staphylococcus or escherichia or andida or aspergillus)
L37           0 FILE EMBASE
L38           3 FILE CAPLUS
L39          40 FILE USPATFULL
L40           2 FILE USPAT2
```

TOTAL FOR ALL FILES  
L41 45 L36 AND (STAPHYLOCOCCUS OR ESCHERICHIA OR ANDIDA OR ASPERGILLUS)

L15 ANSWER 5 OF 5 USPATFULL on STN

CLM What is claimed is:

1. A method of treating **body odor** which comprises applying to skin a composition comprising 0.01 to 5%, based on total composition weight, of an antimicrobial agent selected from the group consisting of trichlocarban (3, 4, 4'-trichloro carbanilide), triclosan (2, 4, 4'-trichloro-2'-hydroxy **diphenyl ether**), benzalkonium chloride, zinc phenosulfonate and zinc ricinoleate, 0.01 to 12%, based on total composition weight, of a cationic polymer selected from the group consisting of homopolymers of dimethyldiallyl ammonium chloride having an intrinsic viscosity of 0.1 to 2.5 and copolymers of dimethyldiallyl ammonium chloride and acrylamide having an intrinsic viscosity of about 4.0 which contain about 10% to about 75%, by weight, dimethyldiallyl ammonium chloride and about 25% to about 90%, by weight, acrylamide, and the balance water.

ACCESSION NUMBER: 87:44980 USPATFULL  
TITLE: Use of cationic polymers (polydimethyldialkyl ammonium chloride-acrylamide copolymers and dimethyldialkyl ammonium chloride) to increase deposition and/or retention of active agent (S) of deodorant formulations on surfaces  
INVENTOR(S): Klein, William L., Nutley, NJ, United States  
Sykes, Arthur R., East Windsor, NJ, United States  
PATENT ASSIGNEE(S): Calgon Corporation, Pittsburgh, PA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4675178		19870623
APPLICATION INFO.:	US 1985-729518		19850502 (6)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ore, Dale R.		
LEGAL REPRESENTATIVE:	Mitchell, W. C., Polk, M., Sudol, M. C.		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
LINE COUNT:	332		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=>

L15 ANSWER 4 OF 5 USPATFULL on STN

SUMM (iii) 2,4,4'-trichloro-2'-hydroxy diphenyl ether in  
an amount effective to reduce body odor, the ratio  
of fatty acid salt to surface active agent being from about 4:1 to  
1:0.98.

ACCESSION NUMBER: 89:40910 USPATFULL  
TITLE: Soap compositions of enhanced antimicrobial  
effectiveness  
INVENTOR(S): Resch, Carol M., Rutherford, NJ, United States  
PATENT ASSIGNEE(S): Lever Brothers Company, New York, NY, United States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4832861		19890523
APPLICATION INFO.:	US 1988-199568		19880527 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lieberman, Paul		
ASSISTANT EXAMINER:	Van Le, Hoa		
LEGAL REPRESENTATIVE:	Honig, Milton L.		
NUMBER OF CLAIMS:	6		
EXEMPLARY CLAIM:	1		
LINE COUNT:	248		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 1 OF 5 USPATFULL on STN

SUMM In deodorant applications, an antimicrobial or microbiocidal agent is necessary for suppressing the growth of microorganisms such as normal skin flora, which degrade sweat and cause **body odor**. Any well-known antimicrobial or microbiocidal agent can be used, among which are quaternary ammonium salts, alkyl diaminoethyl glycine chloride solutions, isopropylmethylphenol, and Triclosan, i.e., trichlorohydroxy **diphenyl ether**. The antimicrobial or microbiocidal agent is generally present in the composition in an amount of 0.01-10 percent by weight.

ACCESSION NUMBER: 2002:143932 USPATFULL  
TITLE: Underarm compositions containing  $\alpha,\omega$ -diene crosslinked silicone elastomers and silicone rubber powders  
INVENTOR(S): Fecht, Cassandre Michelle, Sanford, MI, United States  
Starch, Michael Stephen, Midland, MI, United States  
PATENT ASSIGNEE(S): Dow Corning Corporation, Midland, MI, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6406684	B1	20020618
APPLICATION INFO.:	US 2001-949549		20010910 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Dodson, Shelley A.		
LEGAL REPRESENTATIVE:	De Cesare, James L.		
NUMBER OF CLAIMS:	7		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)		
LINE COUNT:	634		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 2 OF 5 USPATFULL on STN

SUMM (iii) 2,4,4'-trichloro-2'-hydroxy **diphenyl ether** in an amount effective to reduce **body odor**, the ratio of fatty acid salt to surface active agent being from about 4:1 to 1:0.98.

CLM What is claimed is:  
1. A method for controlling the growth of bacteria on the skin comprising applying to the skin water and a toilet bar whose composition comprises: (i) from 30 to 70% of a C.sub.12 -C.sub.22 fatty acid salt; (ii) a non-soap anionic surface active agent which is a C.sub.10 -C.sub.22 acyl isethionate salt; (iii) from 1 to 40% of C.sub.12 -C.sub.18 free fatty acid; (iv) from 0.5 to 15% of sodium isethionate; and (v) from 0.1 to 2% of 2,4,4'-trichloro-2'-hydroxy **diphenyl ether** in an amount effective to reduce **body odor**, the ratio of fatty acid salt to surface active agent being from 2.5:1 to 1.5:1.

ACCESSION NUMBER: 91:28595 USPATFULL  
TITLE: Soap compositions of enhanced antimicrobial effectiveness  
INVENTOR(S): Resch, Carol M., Rutherford, NJ, United States  
PATENT ASSIGNEE(S): Lever Brothers Company, New York, NY, United States (U.S. corporation)

NUMBER	KIND	DATE
-----	-----	-----

PATENT INFORMATION: US 5006529 19910409  
 |  
 APPLICATION INFO.: US 1990-541231 19900620 (7)  
 RELATED APPLN. INFO.: Division of Ser. No. US 1989-322858, filed on 14 Mar 1989, now patented, Pat. No. US 4954281 which is a division of Ser. No. US 1988-199568, filed on 27 May 1988, now patented, Pat. No. US 4832861  
 DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Barr, Josephine  
 ASSISTANT EXAMINER: Harriman, Erin M.  
 LEGAL REPRESENTATIVE: Honig, Milton L.  
 NUMBER OF CLAIMS: 5  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 250  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L15 ANSWER 3 OF 5 USPATFULL on STN

SUMM (iii) 2,4,4'-trichloro-2'-hydroxy **diphenyl ether** in an amount effective to reduce **body odor**, the ratio of fatty acid salt to surface active agent being from about 4:1 to 1:0.98.

CLM What is claimed is:

1. A cleaning composition comprising: (i) a C.sub.12 -C.sub.22 fatty acid salt; (ii) a non-soap anionic surface active agent which is a C.sub.10 -C.sub.22 alkyl glycerol ether sulfonate; and (iii) 2,4,4'-trichloro-2'-hydroxy **diphenyl ether** in an amount effective to reduce **body odor**, the ratio of fatty acid salt to surface active agent being from 4:1 to 1:0.98.

ACCESSION NUMBER: 90:69509 USPATFULL  
 TITLE: Soap compositions of enhanced antimicrobial effectiveness  
 INVENTOR(S): Resch, Carol M., Rutherford, NJ, United States  
 PATENT ASSIGNEE(S): Lever Brothers Company, New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4954281		19900904
APPLICATION INFO.:	US 1989-322858		19890314 (7)
RELATED APPLN. INFO.:	Division of Ser. No. US 1988-199568, filed on 27 May 1988, now patented, Pat. No. US 4832861		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Willis, Prince E.		
LEGAL REPRESENTATIVE:	Honig, Milton L.		
NUMBER OF CLAIMS:	6		
EXEMPLARY CLAIM:	1		
LINE COUNT:	249		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.



L31 ANSWER 7 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN

AB A cosmetic which controls perspiration and **body odor** contains  $\geq 1$  antiperspirant and/or microbicide and  $\geq 1$  water-absorbing polymer. A formulation consisted of mica 50, talc 30, TiO<sub>2</sub> 8, iron oxides (red, yellow, black) 4.4, Al hydroxychloride 5, 2,4,4'-trichloro-2'-**hydroxydiphenyl ether** 0.5, Na acrylate polymer 0.001, Mg Al silicate 2.0, squalane 0.1% by weight, and preservative and fragrance q.s.

ACCESSION NUMBER: 1992:158590 CAPLUS  
DOCUMENT NUMBER: 116:158590  
TITLE: Cosmetics containing antiperspirants and microbicides  
INVENTOR(S): Tate, Kazuo  
PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: . Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 03284617	A2	19911216	JP 1990-86896	19900330
PRIORITY APPLN. INFO.:			JP 1990-86896	19900330

L39 ANSWER 35 OF 40 USPATFULL on STN

SUMM While transient bacteria are readily removed by normal washing with ordinary soap, resident bacteria are more difficult to remove because they are more deeply embedded in the skin. Resident bacteria can be classified into two types, gram-positive and gram-negative, according to their reaction to the well-known Gram staining method. It is known that when gram-positive **bacteria** come into contact with the axillary secretions of apocrine sweat, which are normally sterile and odorless, gram-positive **bacteria cause** these secretions to become malodorous, thus producing the typical acrid **body odor**. In contrast to gram-positive types of **bacteria**, gram-negative **bacteria** are not a **cause of body odor**. However, over 99% of resident **bacteria** are of the odor-causing gram-positive variety.

SUMM It has now been discovered that when hops, i.e., the flower of the humulus lupulus plant, is extracted with an organic solvent and the solvent is removed, a residue, or extract, is obtained which acts as an effective bacteriostatic agent in soaps and other cosmetic preparations for application to human skin and which prevents or ameliorates **body odor**. It has been found, for example, that soap solutions containing only relatively minor amounts, e.g., about 1% by weight, of the hop extract, effectively inhibit the growth of odor-causing skin **bacteria** such as **Staphylococcus aureus** and **Staphylococcus epidermis**.

ACCESSION NUMBER: 79:41496 USPATFULL  
TITLE: Method for producing a deodorant  
INVENTOR(S): Owades, Joseph L., Boston, MA, United States  
PATENT ASSIGNEE(S): S. S. Steiner, Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4170638		19791009
APPLICATION INFO.:	US 1978-904775		19780511 (5)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1976-739305, filed on 5 Nov 1976, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Ore, Dale R.		
LEGAL REPRESENTATIVE:	Strimbeck & Soloway		
NUMBER OF CLAIMS:	11		
EXEMPLARY CLAIM:	1		
LINE COUNT:	222		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L39 ANSWER 40 OF 40 USPATFULL on STN

SUMM Venturia inaequalis, Podosphaera leucotricha, Uromyces phaseoli, Cercospora apii, Cercospora beticola, Cercospora musae, Piricularia sp., Erysiphe cichoriacearum, Penicillium digitatum, Sphaerotheca humuli, Diplocarpon rosae, Uncinula necator, Cocomyces hiemalis, Cladosporium carpophilum, Erysiphe graminis hordei, Monolinia (Sclerotinia) Laxa, Monolinia (Sclerotinia) fructicola, Piricularia oryzae, Puccinia recondita, Puccinia coronata, Puccinia glumarum, Puccinia graminis tritici, **Aspergillus niger**, **Aspergillus terreus**, Rhizoctonia, Fusarium, Verticillium. This list is not intended to be complete.

SUMM As fibrous materials there come into consideration natural and synthetic fibres. Among natural fibres there may be mentioned, in addition to mineral fibres, for example, asbestos, more especially cellulosic fibres, such as linen, sisal, cocus, bast, and especially cotton and nitrogenous fibres, such as leather and wool. As synthetic fibrous materials there come into consideration both polycondensates such as polyadducts and polymerisation products, that is to say, polymers in a wide sense, and also glass fibres. The polymer fibres may be derived from natural or synthetic polymers. Fibres of natural polymers are, for example, regenerated cellulose and cellulose di- to tri-acetate. Fibres derived from synthetic polymers are, for example, fibres of polyesters, polyamides, polyurethanes, polyacrylonitrile, polyvinyl chloride and polyethylene. In this manner it is possible to impart to these fibrous materials by simple washing with a detergent or cleaning preparation of the invention a finish that is lastingly biocidal, preferably anti-bacterial and anti-mycotic, and thus to protect these materials against attack by micro-organisms and other pests. Fibrous materials having a finish of this kind are not only themselves protected against attack by **microorganisms** and moulds. They also protect their immediate surroundings and thus prevent, for example, the occurrence of unpleasant **body** and perspiration **odours** caused by **microorganisms**, which is especially advantageous with fully synthetic and cellulosic textile fibrous materials. The finish so produced has a good resistance to chlorine and perborate.

SUMM

Compound

Minimum inhibiting concentration in ppm.

No. Bacteriostasis

Fungistasis

---

**Staphylococcus**

Asper-

Tricho-

Tricho-

Epidermo-

Micro-

aureus gillus

phyton

phyton

phyton

sporum

niger

mentagro

rubrum

floccosum

gypseum

phytes

1 0.4 60 0.8 5.5 20 20

---

ACCESSION NUMBER: 75:35659 USPATFULL  
TITLE: Control of bacteria with detergent or cleaning  
compositions containing phenylthioureas  
INVENTOR(S): Hubele, Adolf, Riehen, Switzerland  
PATENT ASSIGNEE(S): Ciba-Geigy AG, Basel, Switzerland (non-U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3893936		19750708
APPLICATION INFO.:	US 1972-250937		19720508 (5)
DISCLAIMER DATE:	19910521		
RELATED APPLN. INFO.:	Division of Ser. No. US 1970-34594, filed on 4 May 1970, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	CH 1969-7008	19690507
	CH 1969-11440	19690725
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Willis, Jr., P. E.	
LEGAL REPRESENTATIVE:	Rabin, Frederick H.	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
LINE COUNT:	781	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=>

L39 ANSWER 37 OF 40 USPATFULL on STN

SUMM It is well known that perspiration which results from the secretion of sudoriferous glands **causes**, on the one hand, moistness of the skin and, on the other, the appearance of **body odors** due to a decomposition of the perspiration by **microorganisms**.

SUMM It has been found that the active component of the present invention, in addition to exhibiting highly desirable antiperspirant characteristics, also exhibits excellent anti-microbial activity, particularly against the following microorganisms: Micrococcus aureus, Bacillus subtilis, Sarcina lutea, **Escherichia coli**, **Aspergillus niger**, Penicillium notatum, Mucor mucedo, Saccharomyces cerevisiae, Pityrosporum ovale, and Candida albicans.

ACCESSION NUMBER: 78:7394 USPATFULL  
TITLE: Aluminum derivatives of 2-pyridyl thiol N-oxide,  
process for preparing the same and antiperspirant-  
deodorant composition containing the same  
INVENTOR(S): Bouillon, Claude, Eaubonne, France  
Rosenbaum, Georges, Asnieres, France  
PATENT ASSIGNEE(S): L'Oreal, Paris, France (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4072742		19780207
APPLICATION INFO.:	US 1975-635441		19751126 (5)
RELATED APPLN. INFO.:	Division of Ser. No. US 1972-294072, filed on 2 Oct 1972, now patented, Pat. No. US 3953450		

	NUMBER	DATE
PRIORITY INFORMATION:	LU 1972-65350	19720512
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Daus, Donald G.	

commercial laboratory. Analyses for peroxide (--O--O--) groups in treated fabric were conducted iodometrically by a procedure similar to that of Wentz and Cates, Textile Research J., 45, 691 (1975), as follows: 50 ml distilled water, 1 ml of 37% aqueous hydrochloric acid and 1 ml of saturated aqueous potassium iodide were added to the weighed fabric sample, and the mixture was heated on a steam cone for 10 min. followed by titration with standardized 0.1 N sodium thiosulfate. The peroxide content of isolated zirconium acetateinorganic peroxide complexes was similarly determined except that sufficient hydrochloric acid was added prior to titration to bring all the complex into aqueous solution. Antibacterial activity of treated fabrics was determined qualitatively by the parallel streak test of the American Association of Textile Chemists and Colorists (AATCC Test Method 147-1976) with the gram-positive bacteria **Staphylococcus aureus** and the gram-negative bacteria **Klebsiella pneumoniae**. Quantitative tests for antibacterial activity were run by the Quinn method (AATCC Test Method 100-1974) using gram-positive **Staphylococcus epidermidis** bacteria. The first two of these species of bacteria are capable of causing infection, while the third acts on human perspiration to produce an undesirable odor often referred to as "body odor." Durability of the fabric finishes to laundering was determined in an agitator type washing machine and tumble dryer of the type specified in AATCC Test Method 124-1975, using normal conditions for cotton (14 minute hot water wash, 30minute high temperature drying) using the commercial AATCC standard detergent 124. The 80+80 cotton printcloth used weighed 3.2 oz. per square yard.

ACCESSION NUMBER: 78:52810 USPATFULL  
 TITLE: Antibacterial textile finishes utilizing zirconyl acetate complexes of inorganic peroxides  
 INVENTOR(S): Welch, Clark M., Metairie, LA, United States  
 Danna, Gary F., New Orleans, LA, United States  
 Vigo, Tyrone L., Knoxville, TN, United States  
 PATENT ASSIGNEE(S): The United States of America as represented by the Secretary of Agriculture, Washington, DC, United States (U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4115422		19780919
APPLICATION INFO.:	US 1977-787177		19770412 (5)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Lusignan, Michael R.		
LEGAL REPRESENTATIVE:	Silverstein, M. Howard, McConnell, David G., Cangemi, Salvador J.		
NUMBER OF CLAIMS:	10		
EXEMPLARY CLAIM:	1		
LINE COUNT:	714		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L91 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2005:119875 CAPLUS  
 DN 142:182944  
 ED Entered STN: 11 Feb 2005  
 TI Use of siderophores as **antiperspirants**  
 IN Kluin, Cornelia; Maurer, Karl-heinz; Banowski, Bernhard; Bessler,  
 Cornelius; Siebert, Petra  
 PA Henkel Kgaa, Germany  
 SO Ger. Offen., 32 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 IC ICM A61K007-32  
 ICS C07C259-06  
 CC 62-4 (Essential Oils and Cosmetics)  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 102004034691	A1	20050210	DE 2004-102004034691	20040717
PRAI	DE 2004-102004013695	A1	20040318		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
DE 102004034691	ICM	A61K007-32
	ICS	C07C259-06

AB The invention concerns the use of siderophores against odor forming microorganisms, e.g. Staphylococcus hominis, Anaerococcus octavius and Corynebacterium. Siderophores are selected from sideromycins, siderochromes and sideroamines; Desferrioxamine E is the preferred **antiperspirant** agent. **Antiperspirants**, deodorants are prepared in form of roll-ons, sprays, sticks, lotions, etc., also in combination with vitamins, sunscreens, plant exts. and other substances. Thus a deodorant stick contained (weight/weight%): Eutanol G16 10; Ucon Fluid

AP 5; Cutina HR 6; Lorol C18 20; Eumulgin B3 3; aluminum chlorohydrate 20; talc 8; Desferrioxamine E 0.4; silicone oil DC 245 to 100.

ST siderophore deodorant **antiperspirant** Desferrioxamine E

IT **Antiperspirants**

(aerosols; use of siderophores as **antiperspirants**)

IT **Antiperspirants**

(creams; use of siderophores as **antiperspirants**)

IT Citrus

(extract of; use of siderophores as **antiperspirants**)

IT **Antiperspirants**

(gel sticks; use of siderophores as **antiperspirants**)

IT **Antiperspirants**

(gels; use of siderophores as **antiperspirants**)

IT Glycolipids

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (glyceroglycolipids; use of siderophores as **antiperspirants**)

IT Essential oils

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (linden flower; use of siderophores as **antiperspirants**)

IT Halides

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (organic; use of siderophores as **antiperspirants**)

IT Alcohols, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (polyhydric; use of siderophores as **antiperspirants**)

IT **Antiperspirants**

(roll-on; use of siderophores as **antiperspirants**)

IT **Antiperspirants**

Deodorants (personal)  
 (sprays; use of siderophores as **antiperspirants**)

IT **Antiperspirants**  
 Deodorants (personal)  
 (sticks; use of siderophores as **antiperspirants**)

IT Anaerococcus octavius  
**Antiperspirants**  
 Corynebacterium  
 Deodorants (personal)  
 Perfumes  
 Staphylococcus hominis  
 Sunscreens  
 (use of siderophores as **antiperspirants**)

IT Carbohydrates, biological studies  
 Ceramides  
 Monosaccharides  
 Oligosaccharides, biological studies  
 Polyoxyalkylenes, biological studies  
 Quaternary ammonium compounds, biological studies  
 Siderophores  
 Sphingolipids  
 Sterols  
 Vitamins  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (use of siderophores as **antiperspirants**)

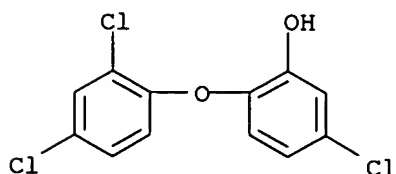
IT 9001-12-1, MMP-1  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (inhibitors of; use of siderophores as **antiperspirants**)

IT 68-26-8D, Retinol, esters with C2-C18 carboxylic acids 70-51-9,  
 Desferrioxamine 77-93-0, Triethylcitrate 81-13-0, Panthenol 98-92-0,  
 Nicotinic acid amide 122-99-6, Phenoxyethanol 144-55-8, Sodium  
 bicarbonate, biological studies 599-04-2, Pantolactone 1300-51-2,  
 Sodium phenol sulfonate 1400-46-0, Mycobactin 1414-39-7, Albomycin  
**3380-34-5**, Triclosan 6998-60-3, Rifamycin 7440-66-6D, Zinc,  
 compds. 8062-00-8, Pyoverdin 9001-45-0 9001-62-1, Lipase  
 9001-92-7, Proteinase 9012-37-7, Aminoacylase 9016-17-5,  
**Arylsulfatase** 9032-92-2, Glycosidase 9081-34-9,  
 5- $\alpha$ -Reductase 12001-76-2, Vitamin B 25322-68-3,  
 Polyethyleneglycol 26605-16-3, Desferrioxamine E 26799-83-7,  
 Desferrirhodin 26885-08-5, Desferrirubin 28384-96-5, Enterobactin  
 34787-28-5, Desferrichrome 34787-29-6, Desferrichrysin 37279-99-5,  
 Desferricrocin 70393-50-9, Agrobactin 74149-70-5, Parabactin  
 76975-04-7, Pseudobactin 85554-61-6D, Furanone, derivs. 128197-63-7  
 168679-09-2, Desferrimycin 172923-94-3, Pseudomonine 212200-71-0,  
 Corrugatin  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (use of siderophores as **antiperspirants**)

IT **3380-34-5**, Triclosan  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (use of siderophores as **antiperspirants**)

RN 3380-34-5 CAPLUS

CN Phenol, 5-chloro-2-(2,4-dichlorophenoxy)- (7CI, 8CI, 9CI) (CA INDEX NAME)





L91 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN  
 AN 2003:811645 CAPLUS  
 DN 139:311958  
 ED Entered STN: 16 Oct 2003  
 TI Deodorants and **antiperspirants** especially for men containing  
 hydroxydiphenyl ethers as **arylsulfatase** inhibitors  
 IN Banowski, Bernhard; Wadle, Armin; Siegert, Petra  
 PA Henkel Kgaa, Germany  
 SO Ger. Offen., 20 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 IC ICM A61K007-32  
 CC 62-4 (Essential Oils and Cosmetics)  
 FAN.CNT 1

*Applicants*

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10216368	A1	20031016	DE 2002-10216368	20020412
	WO 2003086338	A1	20031023	WO 2003-EP3603	20030407
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				
	GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				
	LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,				
	PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,				
	TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,				
	KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,				
	FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,				
	BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1494640	A1	20050112	EP 2003-720431	20030407
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRAI	DE 2002-10216368	A	20020412		
	WO 2003-EP3603	W	20030407		

# CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
DE 10216368	ICM	A61K007-32
DE 10216368	ECLA	A61K008/04F; A61Q015/00; A61K008/26; A61K008/34F
WO 2003086338	ECLA	A61K008/04F; A61K008/26; A61K008/34F; A61Q015/00

OS MARPAT 139:311958

AB The invention concerns deodorant and **antiperspirant** compns. that  
 contain hydroxydiphenyl ethers as **arylsulfatase** inhibitors.  
 Arylsulfate inhibition results in the decrease of body odor  
 caused by the decomposition of steroid esters, especially in men; therefore the  
 inhibitors are applied especially in men's deodorants. A water-free,  
 surfactant-containing formulation included (weight/weight%): silicone oil DC

245 28;  
 Eutanol G 16 10; Ucon Fluid AP 5; Cutina HR 6; Lorol C18 20; Eumulgin B3  
 3; aluminum chlorohydrate 7.995; 4-(2,5-dimethylphenoxy)-phenol 0.005.

ST deodorant **antiperspirant arylsulfatase** inhibitor  
 hydroxydiphenyl ether man steroid ester

IT **Antiperspirants**

Deodorants (personal)

Human

Sex

Surfactants

(deodorants and **antiperspirants** especially for men containing  
 hydroxydiphenyl ethers as **arylsulfatase** inhibitors)

IT Sterols

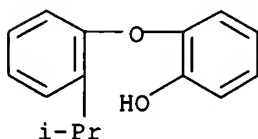
RL: BSU (Biological study, unclassified); BIOL (Biological study)

(esters, inhibition of formation; deodorants and

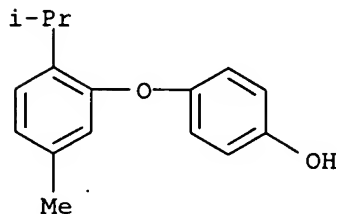
**antiperspirants** especially for men containing hydroxydiphenyl ethers as

**arylsulfatase inhibitors)**

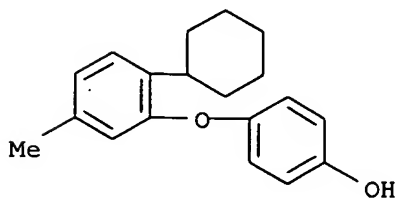
- IT 101-84-8D, Diphenyl ether, hydroxydiphenyl ether derivs.  
 39064-92-1 40843-62-7 40843-68-3  
 83582-86-9 194793-00-5 307000-27-7  
 307000-28-8 307000-33-5 307000-38-0  
 307000-39-1 307000-41-5 307000-49-3  
 307000-50-6 307000-53-9 307000-54-0  
 307000-55-1 307000-56-2 610304-88-6  
 610304-89-7 610304-90-0  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (deodorants and **antiperspirants** especially for men containing  
 hydroxydiphenyl ethers as **arylsulfatase** inhibitors)
- IT 9016-17-5, **Arylsulfatase**  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (inhibitors of; deodorants and **antiperspirants** especially for men  
 containing hydroxydiphenyl ethers as **arylsulfatase** inhibitors)
- IT 39064-92-1 40843-62-7 40843-68-3  
 83582-86-9 194793-00-5 307000-27-7  
 307000-28-8 307000-33-5 307000-38-0  
 307000-39-1 307000-41-5 307000-49-3  
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 307000-55-1 307000-56-2 610304-88-6  
 610304-89-7 610304-90-0  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (deodorants and **antiperspirants** especially for men containing  
 hydroxydiphenyl ethers as **arylsulfatase** inhibitors)
- RN 39064-92-1 CAPLUS  
 CN Phenol, 2-[2-(1-methylethyl)phenoxy]- (9CI) (CA INDEX NAME)



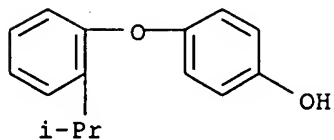
- RN 40843-62-7 CAPLUS  
 CN Phenol, 4-[5-methyl-2-(1-methylethyl)phenoxy]- (9CI) (CA INDEX NAME)



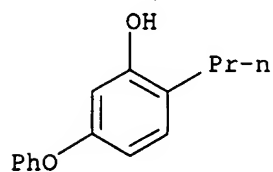
- RN 40843-68-3 CAPLUS  
 CN Phenol, 4-(2-cyclohexyl-5-methylphenoxy)- (9CI) (CA INDEX NAME)



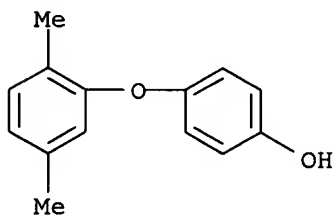
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CN Phenol, 4-[2-(1-methylethyl)phenoxy]- (9CI) (CA INDEX NAME)



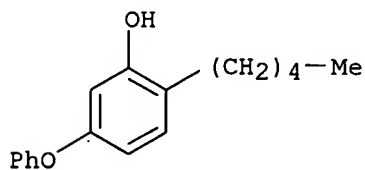
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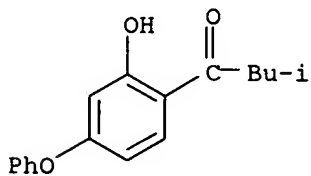
RN 307000-27-7 CAPLUS  
CN Phenol, 4-(2,5-dimethylphenoxy)- (9CI) (CA INDEX NAME)



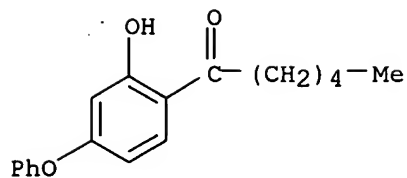
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CN Phenol, 2-pentyl-5-phenoxy- (9CI) (CA INDEX NAME)



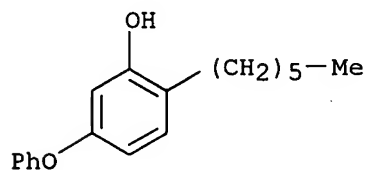
RN 307000-33-5 CAPLUS  
CN 1-Butanone, 1-(2-hydroxy-4-phenoxyphenyl)-3-methyl- (9CI) (CA INDEX NAME)



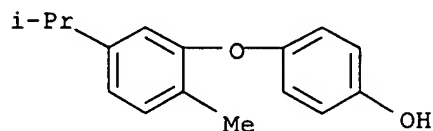
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CN 1-Hexanone, 1-(2-hydroxy-4-phenoxyphenyl)- (9CI) (CA INDEX NAME)



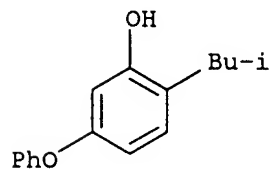
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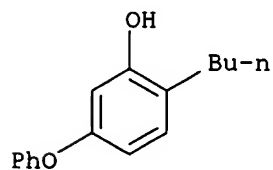
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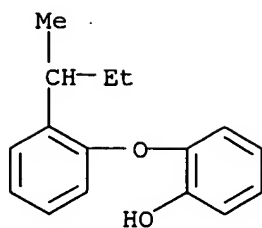
RN 307000-49-3 CAPLUS  
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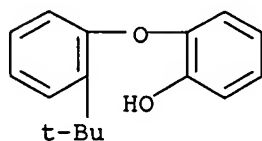
RN 307000-50-6 CAPLUS  
 CN Phenol, 2-butyl-5-phenoxy- (9CI) (CA INDEX NAME)



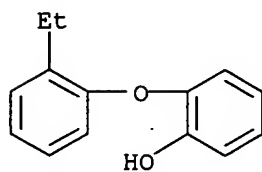
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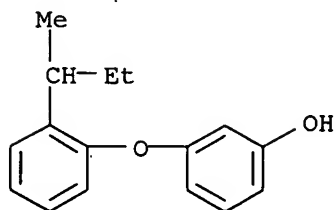
RN 307000-54-0 CAPLUS  
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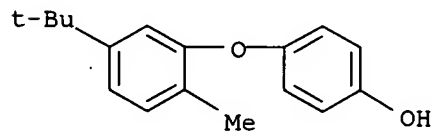
RN 307000-55-1 CAPLUS  
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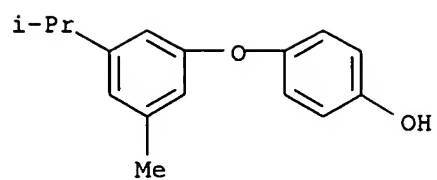
RN 307000-56-2 CAPLUS  
 CN Phenol, 3-[2-(1-methylpropyl)phenoxy]- (9CI) (CA INDEX NAME)



RN 610304-88-6 CAPLUS  
 CN Phenol, 4-[5-(1,1-dimethylethyl)-2-methylphenoxy]- (9CI) (CA INDEX NAME)

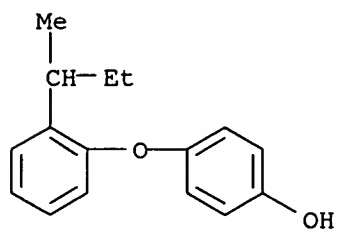


RN 610304-89-7 CAPLUS  
 CN Phenol, 4-[3-methyl-5-(1-methylethyl)phenoxy]- (9CI) (CA INDEX NAME)



RN 610304-90-0 CAPLUS

CN Phenol, 4-[2-(1-methylpropyl)phenoxy]- (9CI) (CA INDEX NAME)



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E100	1	194793-00-5/BI
E101	1	307000-27-7/BI
E102	1	307000-28-8/BI
E103	1	307000-33-5/BI
E104	1	307000-38-0/BI
E105	1	307000-39-1/BI
E106	1	307000-41-5/BI
E107	1	307000-49-3/BI
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E112	1	307000-56-2/BI
E113	1	39064-92-1/BI
E114	1	40843-62-7/BI
E115	1	40843-68-3/BI
E116	1	610304-88-6/BI
E117	1	610304-89-7/BI
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E120	1	9016-17-5/BI

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FULL ESTIMATED COST	419.78	1598.32
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-9.49	-78.84

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STRUCTURE FILE UPDATES: 14 SEP 2005 HIGHEST RN 863180-19-2  
DICTIONARY FILE UPDATES: 14 SEP 2005 HIGHEST RN 863180-19-2

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\*  
\* The CA roles and document type information have been removed from \*  
\* the IDE default display format and the ED field has been added, \*  
\* effective March 20, 2005. A new display format, IDERL, is now \*  
\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

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L101 1 101-84-8/BI

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L101 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 101-84-8 REGISTRY

ED Entered STN: 16 Nov 1984

CN Benzene, 1,1'-oxybis- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Phenyl ether (8CI)

OTHER NAMES:

CN 1,1'-Oxybis[benzene]

CN Benzene, phenoxy-

CN Biphenyl oxide

CN Chemcryn JK-EB

CN Diphenyl ether

CN Diphenyl oxide

CN NSC 19311

CN Oxybisbenzene

CN Phenoxybenzene

CN Phenyl oxide

FS 3D CONCORD

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CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DETHERM\*, DIPPR\*, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPAT, ENCOMPAT2, GMELIN\*, HODOC\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM\*, PIRA, PROMT, RTECS\*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

Ph-O-Ph

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

5549 REFERENCES IN FILE CA (1907 TO DATE)

1257 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

5565 REFERENCES IN FILE CAPLUS (1907 TO DATE)

7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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L102 1 194793-00-5/BI

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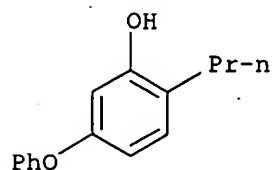
L102 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 194793-00-5 REGISTRY

ED Entered STN: 02 Oct 1997



CN Phenol, 5-phenoxy-2-propyl- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 2-Propyl-5-phenoxyphenol  
FS 3D CONCORD  
MF C15 H16 O2  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL



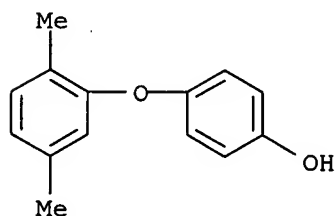
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

10 REFERENCES IN FILE CA (1907 TO DATE)  
10 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L103 1 307000-27-7/BI

=> d

L103 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 307000-27-7 REGISTRY  
ED Entered STN: 06 Dec 2000  
CN Phenol, 4-(2,5-dimethylphenoxy)- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C14 H14 O2  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

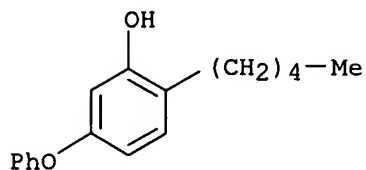
8 REFERENCES IN FILE CA (1907 TO DATE)  
8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s e102  
L104 1 307000-28-8/BI

=> d

L104 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 307000-28-8 REGISTRY

ED Entered STN: 06 Dec 2000  
CN Phenol, 2-pentyl-5-phenoxy- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C17 H20 O2  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL



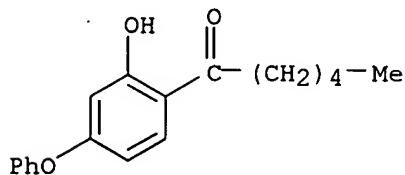
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

7 REFERENCES IN FILE CA (1907 TO DATE)  
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s e104  
L105 1 307000-38-0/BI

=> d

L105 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 307000-38-0 REGISTRY  
ED Entered STN: 06 Dec 2000  
CN 1-Hexanone, 1-(2-hydroxy-4-phenoxyphenyl)- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C18 H20 O3  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

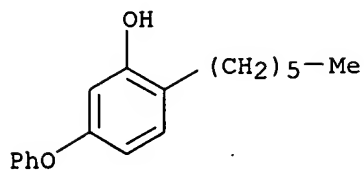
7 REFERENCES IN FILE CA (1907 TO DATE)  
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s e105  
L106 1 307000-39-1/BI

=> d

L106 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 307000-39-1 REGISTRY  
ED Entered STN: 06 Dec 2000  
CN Phenol, 2-hexyl-5-phenoxy- (9CI) (CA INDEX NAME)  
FS 3D CONCORD

MF C18 H22 O2  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

7 REFERENCES IN FILE CA (1907 TO DATE)  
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s e106

L107 1 307000-41-5/BI

=> d

L107 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 307000-41-5 REGISTRY

ED Entered STN: 06 Dec 2000

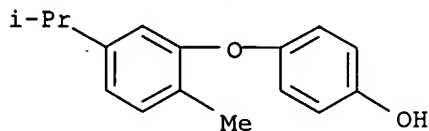
CN Phenol, 4-[2-methyl-5-(1-methylethyl)phenoxy]- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C16 H18 O2

SR CA

LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

7 REFERENCES IN FILE CA (1907 TO DATE)  
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s e107

L108 1 307000-49-3/BI

=> d

L108 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 307000-49-3 REGISTRY

ED Entered STN: 06 Dec 2000

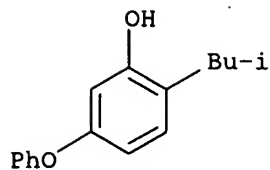
CN Phenol, 2-(2-methylpropyl)-5-phenoxy- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C16 H18 O2

SR CA

LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

7 REFERENCES IN FILE CA (1907 TO DATE)  
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s e108

L109 1 307000-50-6/BI

=> d

L109 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 307000-50-6 REGISTRY

ED Entered STN: 06 Dec 2000

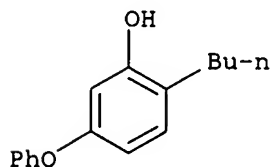
CN Phenol, 2-butyl-5-phenoxy- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C16 H18 O2

SR CA

LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

7 REFERENCES IN FILE CA (1907 TO DATE)  
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s e109

L110 1 307000-53-9/BI

=> d

L110 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 307000-53-9 REGISTRY

ED Entered STN: 06 Dec 2000

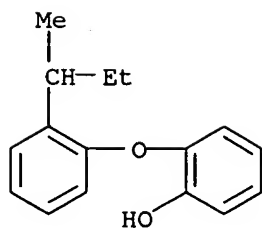
CN Phenol, 2-[2-(1-methylpropyl)phenoxy]- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C16 H18 O2

SR CA

LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

7 REFERENCES IN FILE CA (1907 TO DATE)  
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s e110

L111 1 307000-54-0/BI

=> d

L111 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 307000-54-0 REGISTRY

ED Entered STN: 06 Dec 2000

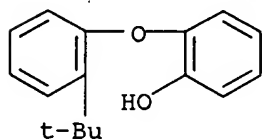
CN Phenol, 2-[2-(1,1-dimethylethyl)phenoxy]- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C16 H18 O2

SR CA

LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

7 REFERENCES IN FILE CA (1907 TO DATE)  
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s e111

L112 1 307000-55-1/BI

=> d

L112 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 307000-55-1 REGISTRY

ED Entered STN: 06 Dec 2000

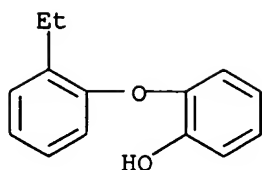
CN Phenol, 2-(2-ethylphenoxy)- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C14 H14 O2

SR CA

LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

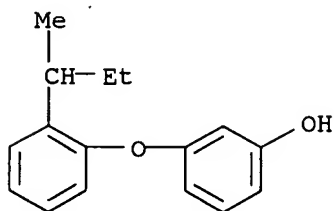
7 REFERENCES IN FILE CA (1907 TO DATE)  
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s e112

L113 1 307000-56-2/BI

=> d

L113 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 307000-56-2 REGISTRY  
ED Entered STN: 06 Dec 2000  
CN Phenol, 3-[2-(1-methylpropyl)phenoxy]- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C16 H18 O2  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

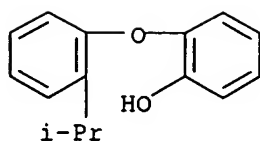
7 REFERENCES IN FILE CA (1907 TO DATE)  
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s e113

L114 1 39064-92-1/BI

=> d

L114 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN  
RN 39064-92-1 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Phenol, 2-[2-(1-methylethyl)phenoxy]- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN o-(o-Isopropylphenoxy)phenol  
FS 3D CONCORD  
MF C15 H16 O2  
LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

8 REFERENCES IN FILE CA (1907 TO DATE)  
8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s e114

L115 1 40843-62-7/BI

=> d

L115 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 40843-62-7 REGISTRY

ED Entered STN: 16 Nov 1984

CN Phenol, 4-[5-methyl-2-(1-methylethyl)phenoxy]- (9CI) (CA INDEX NAME)

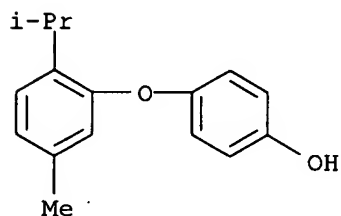
OTHER NAMES:

CN 4-(2-Isopropyl-5-methylphenoxy)phenol

FS 3D CONCORD

MF C16 H18 O2

LC STN Files: BEILSTEIN\*, CA, CAPLUS, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

10 REFERENCES IN FILE CA (1907 TO DATE)  
10 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s e115

L116 1 40843-68-3/BI

=> d

L116 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN 40843-68-3 REGISTRY

ED Entered STN: 16 Nov 1984

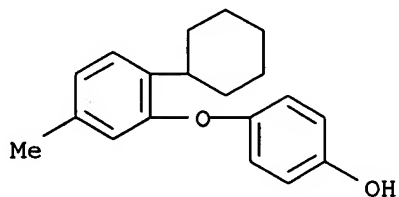
CN Phenol, 4-(2-cyclohexyl-5-methylphenoxy)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 4-(2-Cyclohexyl-5-methylphenoxy)phenol

MF C19 H22 O2

LC STN Files: BEILSTEIN\*, CA, CAPLUS, USPATFULL  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

8 REFERENCES IN FILE CA (1907 TO DATE)  
8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s e116

L117 1 610304-88-6/BI

=> d

L117 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN **610304-88-6** REGISTRY

ED Entered STN: 29 Oct 2003

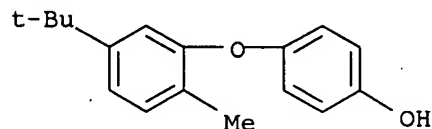
CN Phenol, 4-[5-(1,1-dimethylethyl)-2-methylphenoxy]- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C17 H20 O2

SR CA

LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s e1167

'E1167' NOT FOUND

The E# entered is not currently defined.

=> s e117

L118 1 610304-89-7/BI

=> d

L118 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN **610304-89-7** REGISTRY

ED Entered STN: 29 Oct 2003

CN Phenol, 4-[3-methyl-5-(1-methylethyl)phenoxy]- (9CI) (CA INDEX NAME)

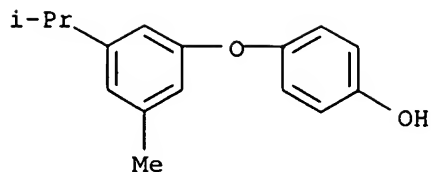
FS 3D CONCORD

MF C16 H18 O2

SR CA

LC STN Files: CA, CAPLUS





\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s e118

L119 1 610304-90-0/BI

=> d

L119 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN **610304-90-0** REGISTRY

ED Entered STN: 29 Oct 2003

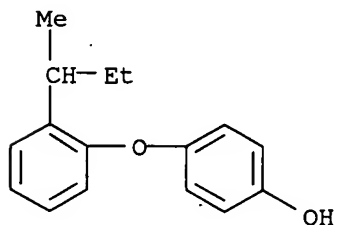
CN Phenol, 4-[2-(1-methylpropyl)phenoxy]- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C16 H18 O2

SR CA

LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s e119

L120 1 83582-86-9/BI

=> d

L120 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

RN **83582-86-9** REGISTRY

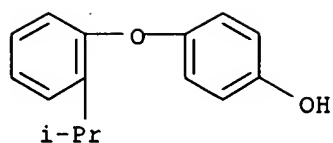
ED Entered STN: 16 Nov 1984

CN Phenol, 4-[2-(1-methylethyl)phenoxy]- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C15 H16 O2

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

9 REFERENCES IN FILE CA (1907 TO DATE)  
9 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s el20

L121 1 9016-17-5/BI

=> d

L121 ANSWER 1 OF 1: REGISTRY COPYRIGHT 2005 ACS on STN

RN 9016-17-5 REGISTRY

ED Entered STN: 16 Nov 1984

CN Sulfatase, aryl- (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 4-Methylumbelliferyl sulfatase

CN Arylsulfatase

CN Arylsulfohydrolase

CN E.C. 3.1.6.1

CN Estrogen sulfatase

CN Nitrocatechol sulfatase

CN p-Nitrophenyl sulfatase

CN Phenolsulfatase

CN Phenylsulfatase

MF Unspecified

CI MAN

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO,  
CA, CABA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN,  
CSCHEM, EMBASE, IFICDB, IFIPAT, IFIUDB, NAPRALERT, NIOSHTIC, PIRA,  
PROMT, TOXCENTER, USPAT2, USPATFULL

Other Sources: EINECS\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

2539 REFERENCES IN FILE CA (1907 TO DATE)

16 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

2543 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L145 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

TI Deodorants and **antiperspirants** especially for men containing hydroxydiphenyl ethers as arylsulfatase inhibitors

AB The invention concerns deodorant and **antiperspirant** compns. that contain hydroxydiphenyl ethers as arylsulfatase inhibitors. Arylsulfate inhibition results in the decrease of body **odor** caused by the decomposition of steroid esters, especially in men; therefore the inhibitors are applied especially in men's deodorants. A. . .

ST deodorant **antiperspirant** arylsulfatase inhibitor hydroxydiphenyl ether man steroid ester

IT **Antiperspirants**  
Deodorants (personal)  
Human  
Sex  
Surfactants  
(deodorants and **antiperspirants** especially for men containing hydroxydiphenyl ethers as arylsulfatase inhibitors)

IT Sterols  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(esters, inhibition of formation; deodorants and **antiperspirants** especially for men containing hydroxydiphenyl ethers as arylsulfatase inhibitors)

IT 101-84-8D, Diphenyl ether, hydroxydiphenyl ether derivs.  
**39064-92-1 40843-62-7 40843-68-3**  
**83582-86-9 194793-00-5 307000-27-7**  
**307000-28-8 307000-33-5 307000-38-0**  
**307000-39-1 307000-41-5 307000-49-3**  
**307000-50-6 307000-53-9 307000-54-0**  
**307000-55-1 307000-56-2 610304-88-6**  
**610304-89-7 610304-90-0**  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(deodorants and **antiperspirants** especially for men containing hydroxydiphenyl ethers as arylsulfatase inhibitors)

IT 9016-17-5, Arylsulfatase  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(inhibitors of; deodorants and **antiperspirants** especially for men containing hydroxydiphenyl ethers as arylsulfatase inhibitors)

ACCESSION NUMBER: 2003:811645 CAPLUS  
DOCUMENT NUMBER: 139:311958  
TITLE: Deodorants and **antiperspirants** especially for men containing hydroxydiphenyl ethers as arylsulfatase inhibitors

INVENTOR(S): Banowski, Bernhard; Wadle, Armin; Siegert, Petra  
PATENT ASSIGNEE(S): Henkel Kgaa, Germany  
SOURCE: Ger. Offen., 20 pp.  
CODEN: GWXXBX

DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10216368	A1	20031016	DE 2002-10216368	20020412
WO 2003086338	A1	20031023	WO 2003-EP3603	20030407
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 EP 1494640 A1 20050112 EP 2003-720431 20030407  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK  
 PRIORITY APPLN. INFO.: DE 2002-10216368 A 20020412  
 WO 2003-EP3603 W 20030407  
 OTHER SOURCE(S): MARPAT 139:311958

L145 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN  
 TI Cosmetic composition comprising a hydroxydiphenyl ether derivative for inhibiting the development of body odors  
 AB . . . dermopharmaceutical composition comprising at least one hydroxydiphenyl ether derivative and furthermore at least one compound selected from active deodorants or antiperspirants. The invention also relates to a method for the treatment of body odors, in particular of the armpit, using the above compns. Formulation of a deodorant stick containing 4,4'-dihydroxydiphenyl ether is disclosed.  
 ST hydroxydiphenyl ether deriv antiperspirant deodorant odor inhibition  
 IT Alcohols, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (C1-4; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)  
 IT Odor and Odorous substances  
 (body; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)  
 IT Amino acids, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (complexes, with metals; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)  
 IT Antiperspirants  
 Deodorants  
 (cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)  
 IT Deodorants (personal)  
 (sticks; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)  
 IT 173720-80-4, Aluminum Dichlorohydrate PEG  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (Aluminum Dichlorohydrate PEG; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)  
 IT 98106-55-9, Aluminum zirconium octachlorohydrate  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (Aluminum zirconium octachlorohydrate; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)  
 IT 98106-52-6, Aluminum zirconium tetrachlorohydrate  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (Aluminum zirconium tetrachlorohydrate; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)  
 IT 98106-53-7, Aluminum zirconium trichlorohydrate  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (Aluminum zirconium trichlorohydrate; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)  
 IT 57-55-6, Propylene glycol, biological studies 64-17-5, Ethanol, biological studies 101-20-2, Triclocarban 127-82-2, Zinc phenolsulfonate 713-68-8 831-82-3 1327-41-9 1965-09-9 2417-10-9 3380-34-5, Triclosan 3489-81-4 4468-02-4, Zinc gluconate 4602-84-0, Farnesol 7646-85-7, Zinc chloride, biological studies 7733-02-0D, Zinc sulfate, derivs. 10043-01-3, Aluminum sulfate 10284-64-7, Aluminum dichlorohydrate 10369-56-9 14200-83-0 15454-75-8 16039-53-5, Zinc

lactate 23990-90-1 25265-71-8, Dipropylene glycol 25265-71-8D,  
Dipropylene glycol, ethers 26321-31-3 35065-13-5 **39064-92-1**  
39634-42-9 **40843-62-7 40843-68-3** 53026-85-0,  
Aluminum chlorohydrate 68100-19-6 **83582-86-9** 125913-22-6,  
Aluminum Zirconium Pentachlorohydrate Gly 134375-99-8, Aluminum Zirconium  
Trichlorohydrate Gly 134910-86-4, Aluminum Zirconium Tetrachlorohydrate  
Gly 136805-20-4 173762-81-7, Aluminum chlorohydrate PEG 173762-82-8,  
Aluminum chlorohydrate PG 173762-83-9, Aluminum zirconium  
pentachlorohydrate 173763-15-0, Aluminum sesquichlorohydrate  
173763-16-1, Aluminum sesquichlorohydrate PG 174514-58-0, Aluminum  
zirconium octachlorohydrate GLY 180324-83-8, Aluminum dichlorohydrate PG  
**194793-00-5** 221694-42-4, Aluminum sesquichlorohydrate PEG  
**307000-27-7 307000-28-8** 307000-29-9 307000-30-2  
307000-31-3 307000-32-4 307000-33-5 307000-34-6 307000-35-7  
307000-36-8 307000-37-9 **307000-38-0 307000-39-1**  
**307000-41-5** 307000-42-6 **307000-49-3**  
**307000-50-6** 307000-52-8 **307000-53-9**  
**307000-54-0 307000-55-1 307000-56-2**  
307000-58-4 307000-59-5 307000-60-8 307000-61-9 479580-83-1  
479580-84-2 479580-85-3 479580-86-4 479580-87-5 479580-88-6  
479580-89-7 479580-90-0 479580-91-1 479580-92-2 479580-93-3  
479580-94-4 479580-95-5 479580-96-6 479580-97-7 479580-98-8

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting  
body odors)

ACCESSION NUMBER: 2003:22652 CAPLUS  
DOCUMENT NUMBER: 138:78170  
TITLE: Cosmetic composition comprising a hydroxydiphenyl  
ether derivative for inhibiting the development of  
body odors  
INVENTOR(S): Forestier, Serge; Courbier, Christophe  
PATENT ASSIGNEE(S): L'Oreal, Fr.  
SOURCE: PCT Int. Appl., 22 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: French  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003002081	A1	20030109	WO 2002-FR1790	20020528
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2826574	A1	20030103	FR 2001-8662	20010629
FR 2826574	B1	20050826		

PRIORITY APPLN. INFO.: FR 2001-8662 A 20010629

OTHER SOURCE(S): MARPAT 138:78170

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L145 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

TI Cosmetic compositions containing a derivative of hydroxydiphenyl ether for  
inhibiting the development of body odors

AB . . . ether derivative and at least one specific conditioning agent. The

invention also relates to a method for treating human body **odors**, particularly axillary **odors**, using said compns. Formulations of deodorants containing 4,4'-dihydroxydiphenyl ether are disclosed.

ST hydroxydiphenyl ether deriv body **odor** inhibition deodorant

IT Polyamides, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (amino-containing; cosmetic compns. containing derivative of hydroxydiphenyl ether  
 for inhibiting development of body **odors**)

IT **Odor** and Odorous substances  
 (body; cosmetic compns. containing derivative of hydroxydiphenyl ether for inhibiting development of body **odors**)

IT Polyelectrolytes  
 (cationic; cosmetic compns. containing derivative of hydroxydiphenyl ether  
 for inhibiting development of body **odors**)

IT Amino acids, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (complexes, with metals; cosmetic compns. containing derivative of hydroxydiphenyl ether for inhibiting development of body **odors**  
 )

IT **Antiperspirants**  
 Deodorants  
 (cosmetic compns. containing derivative of hydroxydiphenyl ether for inhibiting development of body **odors**)

IT Polyamines  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (cosmetic compns. containing derivative of hydroxydiphenyl ether for inhibiting development of body **odors**)

IT Quaternary ammonium compounds, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (polymers; cosmetic compns. containing derivative of hydroxydiphenyl ether  
 for inhibiting development of body **odors**)

IT 173720-80-4, Aluminum Dichlorohydrate PEG  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (Aluminum Dichlorohydrate PEG; cosmetic compns. containing derivative of hydroxydiphenyl ether for inhibiting development of body **odors**  
 )

IT 98106-55-9, Aluminum zirconium octachlorohydrate  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (Aluminum zirconium octachlorohydrate; cosmetic compns. containing derivative  
 of hydroxydiphenyl ether for inhibiting development of body **odors**)

IT 98106-52-6, Aluminum zirconium tetrachlorohydrate  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (Aluminum zirconium tetrachlorohydrate; cosmetic compns. containing derivative  
 of hydroxydiphenyl ether for inhibiting development of body **odors**)

IT 98106-53-7, Aluminum zirconium trichlorohydrate  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (Aluminum zirconium trichlorohydrate; cosmetic compns. containing derivative of  
 hydroxydiphenyl ether for inhibiting development of body **odors**  
 )

IT 101-20-2, Triclocarban 127-82-2, Zinc phenolsulfonate 713-68-8  
 831-82-3 1327-41-9 1965-09-9 2417-10-9 3380-34-5, Triclosan  
 3489-81-4 4468-02-4, Zinc gluconate 4602-84-0, Farnesol 7646-85-7,  
 Zinc chloride, biological studies 7733-02-0D, Zinc sulfate, derivs.

10043-01-3, Aluminum sulfate 10284-64-7, Aluminum dichlorohydrate  
 10369-56-9 14200-83-0 15454-75-8 16039-53-5, Zinc lactate  
 23990-90-1 26321-31-3 35065-13-5 **39064-92-1** 39634-42-9  
**40843-62-7 40843-68-3** 53026-85-0, Aluminum  
 chlorohydrate 68100-19-6 **83582-86-9** 125913-22-6, Aluminum  
 zirconium pentachlorohydrate GLY 134375-99-8, Aluminum Zirconium  
 Trichlorohydrate Gly 134910-86-4, Aluminum Zirconium Tetrachlorohydrate  
 Gly 136805-20-4 173762-81-7, Aluminum chlorohydrate PEG 173762-82-8,  
 Aluminum chlorohydrate PG 173762-83-9, Aluminum zirconium  
 pentachlorohydrate 173763-15-0, Aluminum sesquichlorohydrate  
 173763-16-1, Aluminum sesquichlorohydrate PG 174514-58-0, Aluminum  
 zirconium octachlorohydrate GLY 180324-83-8, Aluminum dichlorohydrate PG  
**194793-00-5** 221694-42-4, Aluminum sesquichlorohydrate PEG  
**307000-27-7 307000-28-8** 307000-29-9 307000-30-2  
 307000-31-3 307000-32-4 307000-33-5 307000-34-6 307000-35-7  
 307000-36-8 307000-37-9 **307000-38-0 307000-39-1**  
**307000-41-5** 307000-42-6 **307000-49-3**  
**307000-50-6** 307000-52-8 **307000-53-9**  
**307000-54-0 307000-55-1 307000-56-2**  
 307000-58-4 307000-59-5 307000-60-8 307000-61-9 479580-83-1  
 479580-84-2 479580-85-3 479580-86-4 479580-87-5 479580-88-6  
 479580-89-7 479580-90-0 479580-91-1 479580-92-2 479580-93-3  
 479580-94-4 479580-95-5 479580-96-6 479580-97-7 479580-98-8

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(cosmetic compns. containing derivative of hydroxydiphenyl ether for  
 inhibiting

development of body odors)

ACCESSION NUMBER: 2003:22651 CAPLUS

DOCUMENT NUMBER: 138:78169

TITLE: Cosmetic compositions containing a derivative of  
 hydroxydiphenyl ether for inhibiting the development  
 of body odors

INVENTOR(S): Forestier, Serge; Courbiere, Christophe

PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: PCT Int. Appl., 56 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003002080	A1	20030109	WO 2002-FR1789	20020528
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
FR 2826573	A1	20030103	FR 2001-8661	20010629

PRIORITY APPLN. INFO.:

MARPAT 138:78169

OTHER SOURCE(S):

REFERENCE COUNT:

8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L145 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

TI Cosmetic compositions containing a hydroxydiphenyl ether derivative for  
 inhibiting body odors

AB . . . ether derivative and furthermore at least a particular thickening polymer. The invention also concerns a method for treating human body odors and in particular axillary odors with such compns. Formulations of deodorants containing 4,4'-dihydroxydiphenyl ether are disclosed.

ST hydroxydiphenyl ether deriv thickening polymer odor inhibition deodorant

IT Alcohols, uses  
RL: NUU (Other use, unclassified); USES (Uses)  
(C1-4; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT Odor and Odorous substances  
(body; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT Amino acids, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(complexes, with metals; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT Antiperspirants  
Deodorants  
Thickening agents  
(cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT Acrylic polymers, biological studies  
Polymers, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT Solvents  
(organic; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT Polyurethanes, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(polyether-; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT 173720-80-4, Aluminum Dichlorohydrex PEG  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(Aluminum Dichlorohydrex PEG; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT 98106-55-9, Aluminum zirconium octachlorohydrate  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(Aluminum zirconium octachlorohydrate; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT 98106-52-6, Aluminum zirconium tetrachlorohydrate  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(Aluminum zirconium tetrachlorohydrate; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT 98106-53-7, Aluminum zirconium trichlorohydrate  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(Aluminum zirconium trichlorohydrate; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT 101-20-2, Triclocarban 127-82-2, Zinc phenolsulfonate 713-68-8  
831-82-3 1327-41-9 1965-09-9 2417-10-9 3380-34-5, Triclosan  
3489-81-4 4468-02-4, Zinc gluconate 4602-84-0, Farnesol 7646-85-7,  
Zinc chloride, biological studies 7733-02-0D, Zinc sulfate, derivs.  
9003-01-4, Polyacrylic acid 9003-39-8, Polyvinylpyrrolidone 9004-34-6,  
Cellulose, biological studies 10043-01-3, Aluminum sulfate 10284-64-7,  
Aluminum dichlorohydrate 10369-56-9 14200-83-0 15454-75-8  
16039-53-5, Zinc lactate 23990-90-1 26100-47-0, Acrylamide-Ammonium  
acrylate copolymer 26321-31-3 27119-07-9, 2-Acrylamido-2-methyl  
propane sulfonic acid homopolymer 28214-57-5, Ammonium acrylate  
homopolymer 35065-13-5 39064-92-1 39421-75-5, Hydroxypropyl



guar 39634-42-9 40843-62-7 40843-68-3 53026-85-0,  
 Aluminum chlorohydrate 68100-19-6 83582-86-9 125913-22-6,  
 Aluminum Zirconium Pentachlorohydrate Gly 134375-99-8, Aluminum Zirconium  
 Trichlorohydrate Gly 134910-86-4, Aluminum Zirconium Tetrachlorohydrate  
 Gly 136805-20-4 138757-67-2, Carbopol 980 173762-81-7, Aluminum  
 chlorohydrate PEG 173762-82-8, Aluminum chlorohydrate PG 173762-83-9,  
 Aluminum zirconium pentachlorohydrate 173763-15-0, Aluminum  
 sesquichlorohydrate 173763-16-1, Aluminum sesquichlorohydrate PG  
 174514-58-0, Aluminum zirconium octachlorohydrate GLY 180324-83-8,  
 Aluminum dichlorohydrate PG 193487-42-2, Aculyn 44 194793-00-5  
 221694-42-4, Aluminum sesquichlorohydrate PEG 307000-27-7  
 307000-28-8 307000-29-9 307000-30-2 307000-31-3  
 307000-32-4 307000-33-5 307000-34-6 307000-35-7 307000-36-8  
 307000-37-9 307000-38-0 307000-39-1  
 307000-41-5 307000-42-6 307000-49-3  
 307000-50-6 307000-52-8 307000-53-9  
 307000-54-0 307000-55-1 307000-56-2  
 307000-58-4 307000-59-5 307000-60-8 307000-61-9 479580-83-1  
 479580-84-2 479580-85-3 479580-86-4 479580-87-5 479580-88-6  
 479580-89-7 479580-90-0 479580-91-1 479580-92-2 479580-93-3  
 479580-94-4 479580-95-5 479580-96-6 479580-97-7 479580-98-8

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT 57-55-6, Propylene glycol, uses 64-17-5, Ethanol, uses 25265-71-8, Dipropylene glycol 25265-71-8D, Dipropylene glycol, ethers

RL: NUU (Other use, unclassified); USES (Uses)

(cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

ACCESSION NUMBER: 2003:22650 CAPLUS

DOCUMENT NUMBER: 138:78168

TITLE: Cosmetic compositions containing a hydroxydiphenyl ether derivative for inhibiting body odors

INVENTOR(S): Forestier, Serge; Courbiere, Christophe

PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: PCT Int. Appl., 43 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003002079	A1	20030109	WO 2002-FR1787	20020528
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
FR 2826570	A1	20030103	FR 2001-8658	20010629
FR 2826570	B1	20050826		

PRIORITY APPLN. INFO.: FR 2001-8658 A 20010629

OTHER SOURCE(S): MARPAT 138:78168

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L145 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

TI Cosmetic compositions containing a hydroxydiphenyl ether derivative for inhibiting body odors

AB . . . a lipophilic phase at least a hydroxydiphenyl ether derivative The invention also relates to a method for treating human body **odors**, particularly axillary **odors**, using said compns. Formulation of a deodorant containing 4,4'-dihydroxydiphenyl ether is disclosed.

ST hydroxydiphenyl ether deriv lipid **odor** inhibition deodorant

IT Alcohols, uses  
 RL: NUU (Other use, unclassified); USES (Uses)  
 (C1-4; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body **odors**)

IT Esters, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (C3-18; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body **odors**)

IT Fats and Glyceridic oils, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (Japan wax; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body **odors**)

IT Lanolin  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (acetate; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body **odors**)

IT Fats and Glyceridic oils, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (animal; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body **odors**)

IT **Odor** and Odorous substances  
 (body; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body **odors**)

IT Amino acids, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (complexes, with metals; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body **odors**)

IT **Antiperspirants**  
 Beeswax  
 Deodorants  
 Ozocerite  
 (cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body **odors**)

IT Candelilla wax  
 Carnauba wax  
 Fats and Glyceridic oils, biological studies  
 Fatty acids, biological studies  
 Lanolin  
 Montan wax  
 Paraffin oils  
 Paraffin waxes, biological studies  
 Petrolatum  
 Polysiloxanes, biological studies  
 Waxes  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body **odors**)

IT Lipids, uses  
 RL: NUU (Other use, unclassified); USES (Uses)  
 (cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body **odors**)

IT Alcohols, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (fatty; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body **odors**)

IT Castor oil  
 Lanolin  
 Palm oil

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (hydrogenated; cosmetic compns. containing hydroxydiphenyl ether derivative.  
 for inhibiting body odors)

IT Paraffin oils  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (isoparaffin oils; cosmetic compns. containing hydroxydiphenyl ether  
 derivative for inhibiting body odors)

IT Hydrocarbon waxes, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (microcryst.; cosmetic compns. containing hydroxydiphenyl ether derivative  
 for inhibiting body odors)

IT Solvents  
 (organic; cosmetic compns. containing hydroxydiphenyl ether derivative for  
 inhibiting body odors)

IT Alcohols, uses  
 RL: NUU (Other use, unclassified); USES (Uses)  
 (polyhydric, ethers; cosmetic compns. containing hydroxydiphenyl ether  
 derivative for inhibiting body odors)

IT Waxes  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (sugarcane; cosmetic compns. containing hydroxydiphenyl ether derivative for  
 inhibiting body odors)

IT Fats and Glyceridic oils, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (vegetable; cosmetic compns. containing hydroxydiphenyl ether derivative for  
 inhibiting body odors)

IT 173720-80-4, Aluminum Dichlorohydrate PEG  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (Aluminum Dichlorohydrate PEG; cosmetic compns. containing hydroxydiphenyl  
 ether derivative for inhibiting body odors)

IT 98106-55-9, Aluminum zirconium octachlorohydrate  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (Aluminum zirconium octachlorohydrate; cosmetic compns. containing  
 hydroxydiphenyl ether derivative for inhibiting body odors)

IT 98106-52-6, Aluminum zirconium tetrachlorohydrate  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (Aluminum zirconium tetrachlorohydrate; cosmetic compns. containing  
 hydroxydiphenyl ether derivative for inhibiting body odors)

IT 98106-53-7, Aluminum zirconium trichlorohydrate  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (Aluminum zirconium trichlorohydrate; cosmetic compns. containing  
 hydroxydiphenyl ether derivative for inhibiting body odors)

IT 101-20-2, Triclocarban 127-82-2, Zinc phenolsulfonate 713-68-8  
 831-82-3 1327-41-9 1965-09-9 2417-10-9 3380-34-5, Triclosan  
 3489-81-4 4468-02-4, Zinc gluconate 4602-84-0, Farnesol 7646-85-7,  
 Zinc chloride, biological studies 7733-02-0D, Zinc sulfate, derivs.  
 10043-01-3, Aluminum sulfate 10284-64-7, Aluminum dichlorohydrate  
 10369-56-9 14200-83-0 15454-75-8 16039-53-5, Zinc lactate  
 23990-90-1 26321-31-3 35065-13-5 **39064-92-1** 39634-42-9  
**40843-62-7 40843-68-3** 53026-85-0, Aluminum  
 chlorohydrate 68100-19-6 **83582-86-9** 125913-22-6, Aluminum  
 Zirconium Pentachlorohydrate Gly 134375-99-8, Aluminum Zirconium  
 Trichlorohydrate Gly 134910-86-4, Aluminum Zirconium Tetrachlorohydrate  
 Gly 136805-20-4 173762-81-7, Aluminum chlorohydrate PEG 173762-82-8,  
 Aluminum chlorohydrate PG 173762-83-9, Aluminum zirconium  
 pentachlorohydrate 173763-15-0, Aluminum sesquichlorohydrate  
 173763-16-1, Aluminum sesquichlorohydrate PG 174514-58-0, Aluminum  
 zirconium octachlorohydrate GLY 180324-83-8, Aluminum dichlorohydrate PG  
**194793-00-5** 221694-42-4, Aluminum sesquichlorohydrate PEG  
**307000-27-7 307000-28-8 307000-29-9 307000-30-2**

307000-31-3 307000-32-4 307000-33-5 307000-34-6 307000-35-7  
 307000-36-8 307000-37-9 307000-38-0 307000-39-1  
 307000-41-5 307000-42-6 307000-49-3  
 307000-50-6 307000-52-8 307000-53-9  
 307000-54-0 307000-55-1 307000-56-2  
 307000-58-4 307000-59-5 307000-60-8 307000-61-9 479580-83-1  
 479580-84-2 479580-85-3 479580-86-4 479580-87-5 479580-88-6  
 479580-89-7 479580-90-0 479580-91-1 479580-92-2 479580-93-3  
 479580-94-4 479580-95-5 479580-96-6 479580-97-7 479580-98-8

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT 57-55-6, Propylene glycol, uses 64-17-5, Ethanol, uses 25265-71-8, Dipropylene glycol 25265-71-8D, Dipropylene glycol, ethers

RL: NUU (Other use, unclassified); USES (Uses)

(cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

ACCESSION NUMBER: 2003:22649 CAPLUS

DOCUMENT NUMBER: 138:78167

TITLE: Cosmetic compositions containing a hydroxydiphenyl ether derivative for inhibiting body odors

INVENTOR(S): Forestier, Serge; Courbiere, Christophe

PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: PCT Int. Appl., 22 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003002078	A1	20030109	WO 2002-FR1786	20020528
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

FR 2826571 A1 20030103 FR 2001-8659 20010629

PRIORITY APPLN. INFO.: FR 2001-8659 A 20010629

OTHER SOURCE(S): MARPAT 138:78167

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L145 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

TI Cosmetic compositions containing a hydroxydiphenyl ether derivative for inhibiting body odors

AB . . . a particular propellant and of means for dispensing said aerosol composition as well as the method for treating human body odors and in particular axillary odors with said device. Formulation of a deodorant aerosol containing 4,4'-dihydroxydiphenyl ether 2.0, and ethanol q.s. 100.0 is disclosed.

ST hydroxydiphenyl ether deriv aerosol odor inhibition deodorant

IT Alcohols, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(C1-4; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT Deodorants

(aerosols; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT **Odor and Odorous substances**  
(body; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT **Amino acids, biological studies**  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(complexes, with metals; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT **Antiperspirants**  
**Deodorants**  
**Propellants (sprays and foams)**  
(cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT 173720-80-4, Aluminum Dichlorohydrex PEG  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(Aluminum Dichlorohydrex PEG; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT 98106-55-9, Aluminum zirconium octachlorohydrate  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(Aluminum zirconium octachlorohydrate; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT 98106-52-6, Aluminum zirconium tetrachlorohydrate  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(Aluminum zirconium tetrachlorohydrate; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT 98106-53-7, Aluminum zirconium trichlorohydrate  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(Aluminum zirconium trichlorohydrate; cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting body odors)

IT 57-55-6, Propylene glycol, biological studies 64-17-5, Ethanol, biological studies 74-98-6, Propane, biological studies 75-28-5, Isobutane 101-20-2, Triclocarban 106-97-8, n-Butane, biological studies 127-82-2, Zinc phenolsulfonate 713-68-8 831-82-3 1327-41-9 1965-09-9 2417-10-9 3380-34-5, Triclosan 3489-81-4 4468-02-4, Zinc gluconate 4602-84-0, Farnesol 7646-85-7, Zinc chloride, biological studies 7733-02-0D, Zinc sulfate, derivs. 10043-01-3, Aluminum sulfate 10284-64-7, Aluminum dichlorohydrate 10369-56-9 14200-83-0 15454-75-8 16039-53-5, Zinc lactate 23990-90-1 25265-71-8, Dipropylene glycol 25265-71-8D, Dipropylene glycol, ethers 26321-31-3 35065-13-5 **39064-92-1** 39634-42-9 **40843-62-7** **40843-68-3** 53026-85-0, Aluminum chlorohydrex 68100-19-6 **83582-86-9** 125913-22-6, Aluminum Zirconium Pentachlorohydrex Gly 134375-99-8, Aluminum Zirconium Trichlorohydrex Gly 134910-86-4, Aluminum Zirconium Tetrachlorohydrex Gly 136805-20-4 173762-81-7, Aluminum chlorohydrex PEG 173762-82-8, Aluminum chlorohydrex PG 173762-83-9, Aluminum zirconium pentachlorohydrate 173763-15-0, Aluminum sesquichlorohydrate 173763-16-1, Aluminum sesquichlorohydrex PG 174514-58-0, Aluminum zirconium octachlorohydrex GLY 180324-83-8, Aluminum dichlorohydrex PG **194793-00-5** 221694-42-4, Aluminum sesquichlorohydrex PEG **307000-27-7** **307000-28-8** 307000-29-9 307000-30-2 307000-31-3 307000-32-4 307000-33-5 307000-34-6 307000-35-7 307000-36-8 307000-37-9 **307000-38-0** **307000-39-1** **307000-41-5** 307000-42-6 **307000-49-3** **307000-50-6** 307000-52-8 **307000-53-9** **307000-54-0** **307000-55-1** **307000-56-2** 307000-58-4 307000-59-5 307000-60-8 307000-61-9 479580-83-1 479580-84-2 479580-85-3 479580-86-4 479580-87-5 479580-88-6 479580-89-7 479580-90-0 479580-91-1 479580-92-2 479580-93-3 479580-94-4 479580-95-5 479580-96-6 479580-97-7 479580-98-8  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(cosmetic compns. containing hydroxydiphenyl ether derivative for inhibiting

body odors)  
 ACCESSION NUMBER: 2003:22643 CAPLUS  
 DOCUMENT NUMBER: 138:78166  
 TITLE: Cosmetic compositions containing a hydroxydiphenyl ether derivative for inhibiting body odors  
 INVENTOR(S): Forestier, Serge; Courbiere, Christophe  
 PATENT ASSIGNEE(S): L'Oreal, Fr.  
 SOURCE: PCT Int. Appl., 23 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003002072	A1	20030109	WO 2002-FR1788	20020528
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2826572	A1	20030103	FR 2001-8660	20010629
PRIORITY APPLN. INFO.:			FR 2001-8660	A 20010629
OTHER SOURCE(S):	MARPAT 138:78166			
REFERENCE COUNT:	6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT			

L145 ANSWER 7 OF 8 USPATFULL on STN  
 SUMM [0146] foot-care products, for example foot baths, foot powders, food creams or foot balms, special deodorants and antiperspirants or products for scrubbing off callouses;  
 SUMM [0152] antiperspirants, for example antiperspirant sticks, creams or roll-ons;  
 IT 713-68-8P 831-82-3P 2417-10-9P 23990-90-1P 26321-31-3P  
 68100-19-6P 136805-20-4P 194793-00-5P 307000-27-7P  
 307000-28-8P 307000-29-9P 307000-30-2P 307000-31-3P  
 307000-32-4P 307000-33-5P 307000-34-6P 307000-35-7P 307000-36-8P  
 307000-37-9P 307000-38-0P 307000-39-1P 307000-40-4P  
 307000-41-5P 307000-42-6P  
 (preparation of hydroxydiphenyl ethers as antimicrobials)  
 IT 39064-92-1 39634-42-9 40843-62-7 40843-68-3  
 83582-86-9 307000-49-3 307000-50-6  
 307000-51-7 307000-52-8 307000-53-9 307000-54-0  
 307000-55-1 307000-56-2 307000-57-3 307000-58-4  
 307000-59-5 307000-60-8 307000-61-9  
 (preparation of hydroxydiphenyl ethers as antimicrobials)

ACCESSION NUMBER: 2004:240359 USPATFULL  
 TITLE: Hydroxydiphenyl ether compounds.  
 INVENTOR(S): Holzl, Werner, Eschentzwiller, FRANCE  
 Haap, Wolfgang, Grenzach-Wyhlen, GERMANY, FEDERAL REPUBLIC OF  
 Ochs, Dietmar, Schopfheim, GERMANY, FEDERAL REPUBLIC OF  
 Puchtler, Karin, Fischingen, GERMANY, FEDERAL REPUBLIC OF  
 Schnyder, Marcel, Birsfelden, SWITZERLAND  
 Kulkarni, Surendra Umesh, Mumbai, INDIA  
 Radhakrishna, Arakali Srinivasarao, Bangalore, INDIA  
 Sawant, Mangesh Shivram, Mumbai, INDIA  
 Mahtre, Asawari Bhikaji, Mumbai, INDIA

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004186174	A1	20040923
APPLICATION INFO.:	US 2004-816967	A1	20040402 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2002-281011, filed on 25 Oct 2002, ABANDONED Continuation of Ser. No. US 2000-573403, filed on 18 May 2000, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	EP 1999-810442	19990520
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Ciba Specialty Chemicals Corporation, Patent Department, 540 White Plains Road, P.O. Box 2005, Tarrytown, NY, 10591-9005	
NUMBER OF CLAIMS:	21	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1317	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

L145 ANSWER 8 OF 8 USPATFULL on STN

SUMM [0149] foot-care products, for example foot baths, foot powders, food creams or foot balms, special deodorants and **antiperspirants** or products for scrubbing off callouses;

SUMM [0155] **antiperspirants**, for example **antiperspirant** sticks, creams or roll-ons;

IT 713-68-8P 831-82-3P 2417-10-9P 23990-90-1P 26321-31-3P  
68100-19-6P 136805-20-4P **194793-00-5P 307000-27-7P**  
**307000-28-8P** 307000-29-9P 307000-30-2P 307000-31-3P  
307000-32-4P 307000-33-5P 307000-34-6P 307000-35-7P 307000-36-8P  
307000-37-9P **307000-38-0P 307000-39-1P** 307000-40-4P  
**307000-41-5P** 307000-42-6P  
(preparation of hydroxydiphenyl ethers as antimicrobials)

IT **39064-92-1** 39634-42-9 **40843-62-7 40843-68-3**  
**83582-86-9 307000-49-3 307000-50-6**  
307000-51-7 307000-52-8 **307000-53-9 307000-54-0**  
**307000-55-1 307000-56-2** 307000-57-3 307000-58-4  
307000-59-5 307000-60-8 307000-61-9  
(preparation of hydroxydiphenyl ethers as antimicrobials)

ACCESSION NUMBER: 2003:232635 USPATFULL

TITLE: Hydroxydiphenyl ether compounds

INVENTOR(S): Holzl, Werner, Eschentzwiller, FRANCE  
Haap, Wolfgang, Grenzach-Wyhlen, GERMANY, FEDERAL REPUBLIC OF  
Ochs, Dietmar, Schopfheim, GERMANY, FEDERAL REPUBLIC OF  
Puchtler, Karin, Fischingen, GERMANY, FEDERAL REPUBLIC OF  
Schnyder, Marcel, Birsfelden, SWITZERLAND  
Kulkarni, Surendra Umesh, Mumbai, INDIA  
Radhakrishna, Arakali Srinivasarao, Bangalore, INDIA  
Sawant, Mangesh Shivram, Mumbai, INDIA  
Mahtre, Asawari Bhikaji, Mumbai, INDIA

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003162836	A1	20030828
APPLICATION INFO.:	US 2002-281011	A1	20021025 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 2000-573403, filed on 18 May 2000, PENDING		

NUMBER	DATE
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PRIORITY INFORMATION: EP 1999-810442 19990520  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: CIBA SPECIALTY CHEMICALS CORPORATION, PATENT  
DEPARTMENT, 540 WHITE PLAINS RD, P O BOX 2005,  
TARRYTOWN, NY, 10591-9005  
NUMBER OF CLAIMS: 21



L163 ANSWER 8 OF 10 USPATFULL on STN

CLM What is claimed is:

1. A non-therapeutic method for inhibiting or reducing body **odor** caused by the hydrolytic decomposition of steroid esters by  $\beta$ -glucuronidase comprising adding to a cosmetic deodorant or **antiperspirant** composition at least one compound selected from the group consisting of: monobasic mono- $\alpha$ -hydroxycarboxylic acids having 2-6 carbon atoms and their. . .
17. A non-therapeutic method for reducing body **odor** on the skin comprising applying a cosmetic deodorant or **antiperspirant** composition comprising at least one  $\beta$ -glucuronidase-inhibiting substance selected from the group consisting of: monobasic mono- $\alpha$ -hydroxycarboxylic acids having 2-6 carbon atoms. . .
19. The method of claim 17 wherein the **arylsulfatase** -inhibiting substances are employed for reducing body **odor** in men.

ACCESSION NUMBER: 2004:298605 USPATFULL  
TITLE: Beta-glucuronidase inhibitors for use in deodorants and antiperspirants  
INVENTOR(S): Banowski, Bernhard, Duesseldorf, GERMANY, FEDERAL REPUBLIC OF  
Hoffmann, Daniele, Duesseldorf, GERMANY, FEDERAL REPUBLIC OF  
Wadle, Armin, Erkrath, GERMANY, FEDERAL REPUBLIC OF  
Siegert, Petra, Haan, GERMANY, FEDERAL REPUBLIC OF  
Saettler, Andrea, Duesseldorf, GERMANY, FEDERAL REPUBLIC OF  
Gerke, Thomas, Neuss, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004234466	A1	20041125
APPLICATION INFO.:	US 2004-838930	A1	20040504 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 2002-EP11981, filed on 26 Oct 2002, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2001-154368	20011106
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HENKEL CORPORATION, THE TRIAD, SUITE 200, 2200 RENAISSANCE BLVD., GULPH MILLS, PA, 19406	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1747	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L163 ANSWER 9 OF 10 USPATFULL on STN

SUMM . . . amounts of the malodorous free amine being excreted in sweat, urine, and breath. These symptoms have led to the designation fish-**odor** syndrome (OMIM 602079 Trimethylaminuria).

SUMM [0267] In an alternative example, SEQ ID NO:11 is 54% identical, from residue P76 to residue W554, to human **arylsulfatase** (GenBank ID g825628) as determined by the Basic Local Alignment Search Tool (BLAST). (See Table 2.) The BLAST probability score. . . (See Table 3.) Data from BLIMPS, MOTIFS, and PROFILESCAN analyses provide further corroborative evidence that SEQ ID NO:11 is an **arylsulfatase**. The algorithms and parameters for the analysis of SEQ ID NO:1-2 are described in Table 7.

ACCESSION NUMBER: 2004:107661 USPATFULL

TITLE: Drug metabolizing enzymes  
 INVENTOR(S): Åströmoff, Anna, San Carlos, CA, UNITED STATES  
 Au-Young, Janice K, Brisbane, CA, UNITED STATES  
 Baughn, Mariah R, Los Angeles, CA, UNITED STATES  
 Ding, Li, Creve Coeur, MO, UNITED STATES  
 Duggan, Brendan M, Sunnyvale, CA, UNITED STATES  
 Forsythe, Ian J, Edmonton, CANADA  
 Gietzen, Kimberly J, San Jose, CA, UNITED STATES  
 Griffin, Jennifer A, Fremont, CA, UNITED STATES  
 Lee, Ernestine A, Castro Valley, CA, UNITED STATES  
 Lu, Yan, Mountain View, CA, UNITED STATES  
 Richardson, Thomas W, Redwood City, CA, UNITED STATES  
 Ring, Huijun Z, Foster City, CA, UNITED STATES  
 Sanjanwala, Madhusudan M, Los Altos, CA, UNITED STATES  
 Swarnakar, Anita, San Francisco, CA, UNITED STATES  
 Chawla, Narinder K, Union City, CA, UNITED STATES  
 Warren, Bridget A, San Marcos, CA, UNITED STATES  
 Xu, Yuming, Mountain View, CA, UNITED STATES  
 Yue, Henry, Sunnyvale, CA, UNITED STATES  
 Zebarjadian, Yeganeh, San Francisco, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004082061	A1	20040429
APPLICATION INFO.:	US 2003-468125	A1	20030815 (10)
	WO 2002-US4918		20020214
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	INCYTE CORPORATION, 3160 PORTER DRIVE, PALO ALTO, CA, 94304		
NUMBER OF CLAIMS:	79		
EXEMPLARY CLAIM:	1		

- TI Use of **arylsulfatase** inhibitors in deodorants and **antiperspirants**
- AB The invention concerns the use of **arylsulfatase** inhibitors in deodorants and **antiperspirants** to decrease body odor caused by decomposition of steroid esters. Deodorant sticks, microemulsion sprays, roll-ons and deodorant tissues are prepared Thus a water-free deodorant. . . .
- ST **arylsulfatase** inhibitor deodorant **antiperspirant**
- IT Carboxylic acids, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (C2-C12 and derivs.; use of **arylsulfatase** inhibitors in deodorants and **antiperspirants**)
- IT Polysiloxanes, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 ([ (aminoethyl)amino]propyl hydroxy, di-Me, trimethylsilyl; use of **arylsulfatase** inhibitors in deodorants and **antiperspirants**)
- IT Polysiloxanes, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 ([ (aminoethyl)amino]propyl hydroxy, di-Me; use of **arylsulfatase** inhibitors in deodorants and **antiperspirants**)
- IT Polysiloxanes, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (di-Me, 3-[3-[(3-coco amidopropyl)dimethylammonio]-2-hydroxypropoxy]propyl group-terminated, acetates (salts); use of **arylsulfatase** inhibitors in deodorants and **antiperspirants**)
- IT Alcohols, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (fatty, esters, with sulfuric acid; use of **arylsulfatase** inhibitors in deodorants and **antiperspirants**)
- IT Castor oil  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (hydrogenated; use of **arylsulfatase** inhibitors in deodorants and **antiperspirants**)
- IT Embryophyta  
 (medicinal plant, exts.; use of **arylsulfatase** inhibitors in deodorants and **antiperspirants**)
- IT Amino acids, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (mycosporine-like amino acids; use of **arylsulfatase** inhibitors in deodorants and **antiperspirants**)
- IT Citrus junos  
 (oil; use of **arylsulfatase** inhibitors in deodorants and **antiperspirants**)
- IT Alcohols, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (polyhydric, C8-C9 and derivs.; use of **arylsulfatase** inhibitors in deodorants and **antiperspirants**)
- IT Alcohols, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (polyhydric, with six functional groups, phosphates of; use of **arylsulfatase** inhibitors in deodorants and **antiperspirants**)
- IT Phenols, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (polyphenols, nonpolymeric; use of **arylsulfatase** inhibitors in deodorants and **antiperspirants**)
- IT Alkali metals, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (salts with C2-C12 carboxylic acids; use of **arylsulfatase** inhibitors in deodorants and **antiperspirants**)

IT **Antiperspirants**  
 Camellia japonica  
 Camellia sinensis  
 Deodorants  
 Deodorants (personal)  
 Ginkgo biloba  
 Ilex paraguariensis  
 Serenoa repens  
 (use of **arylsulfatase** inhibitors in deodorants and  
**antiperspirants**)

IT **Flavones**  
**Tocopherols**  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (use of **arylsulfatase** inhibitors in deodorants and  
**antiperspirants**)

IT 7664-93-9, Sulfuric acid, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (esters with C8-C18 fatty alcs.; use of **arylsulfatase**  
 inhibitors in deodorants and **antiperspirants**)

IT 9016-17-5, **Arylsulfatase**  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (inhibitors; use of **arylsulfatase** inhibitors in deodorants  
 and **antiperspirants**)

IT 7440-70-2, Calcium, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (salts with C2-C12 carboxylic acids; use of **arylsulfatase**  
 inhibitors in deodorants and **antiperspirants**)

IT 50-99-7D, D-Glucose, disodium coco derivs. 56-65-5, Adenosine  
 triphosphate, biological studies 60-12-8, 2-Phenylethanol 60-81-1,  
 Phlorizine 69-72-7, Salicylic acid, biological studies 77-92-9D,  
 Citric acid, disodium cocopolyglucose derivs. 83-86-3, Phytic acid  
 87-69-4D, disodium cocopolyglucose derivs. 108-95-2D, Phenol, derivs.  
 112-92-5, Lorol C18 117-39-5D, Quercetin, glucosyl derivs. 122-99-6,  
 Phenoxyethanol 123-76-2, Levulinic acid 139-12-8, Aluminum acetate  
 153-18-4, Rutin 331-39-5, Caffeic acid 480-35-3, Eriodictin  
 482-35-9, Isoquercetin 499-44-5, Hinokitiol 520-26-3, Hesperidin  
 520-27-4, Diosmin 529-44-2D, Myricetin, glucosyl derivs. 533-75-5D,  
 derivs. 541-02-6, Cyclopentasiloxane, decamethyl- 557-34-6, Zinc  
 acetate 617-73-2,  $\alpha$ -Hydroxycaprylic acid 1327-41-9, Aluminum  
 chlorohydrate 1343-98-2D, Silicic acid, ester 2809-21-4, Etidronic  
 acid 2984-55-6,  $\alpha$ -Hydroxylauric acid 4468-02-4, Zinc gluconate  
 5393-81-7,  $\alpha$ -Hydroxydecanoic acid 6485-39-8, Manganese gluconate  
 7085-55-4, Troxerutin 7429-90-5D, Aluminum, salts with C2-C12 carboxylic  
 acids 7439-95-4D, Magnesium, salts with C2-C12 carboxylic acids  
 7439-96-5D, Manganese, salts with C2-C12 carboxylic acids 7440-66-6D,  
 Zinc, salts with C2-C12 carboxylic acids 10236-47-2, Naringin  
 13241-33-3, Neohesperidin 13682-92-3 15454-75-8, Zinc L-pyroglutamate  
 18312-25-9, Magnesium, (D-gluconato-01,02) (D-glycero-D-gluco-heptonato-  
 01,02)-, (T-4)- 18604-50-7, Eugenylglucoside 20283-92-5, Rosemary acid  
 20702-77-6, Neohesperidindihydrochalcone 21145-77-7,  
 7-Acetyl-1,1,3,4,4,6-hexamethyltetralin 23869-24-1, Monoxerutin  
 29923-31-7, Sodium lauroyl N-glutamate 35057-12-6 38517-23-6, Sodium  
 stearyl N-glutamate 52250-43-8 60007-93-4, D-Gluconic acid, aluminum  
 salt (3:1) 71368-20-2, Sodium myristoyl N-glutamate 110225-00-8,  
 Eutanol G16 119291-09-7 119291-12-2 128197-63-7 129499-78-1,  
 L-Ascorbic acid, 2-O- $\alpha$ -D-glucopyranosyl- 130603-71-3,  
 $\alpha$ -Glucosylrutin 477251-72-2 477251-73-3  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (use of **arylsulfatase** inhibitors in deodorants and  
**antiperspirants**)

ACCESSION NUMBER: 2002:924299 CAPIUS  
 DOCUMENT NUMBER: 138:8249  
 TITLE: Use of **arylsulfatase** inhibitors in

INVENTOR(S): deodorants and antiperspirants  
 Banowski, Bernhard; Hoffmann, Daniele; Wadle, Armin;  
 PATENT ASSIGNEE(S): Siegert, Petra; Saettler, Andrea; Gerke, Thomas  
 SOURCE: Henkel Kgaa, Germany  
 Ger. Offen., 22 pp.  
 CODEN: GWXXBX  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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DE 10137901	A1	20021205	DE 2001-10137901	20010802
WO 2001099376	A3	20021121	WO 2001-EP10213	20010905
W: AU, CZ, EE, HR, HU, IN, LT, LV, NO, NZ, PL, RO, SI, SK, UA				
RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES,				
FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
PRIORITY APPLN. INFO.:			DE 2001-10126667	A1 20010601
			DE 2001-10137901	A 20010802
OTHER SOURCE(S):		MARPAT 138:8249		

TI **Arylsulfatase** inhibitors in deodorants and  
**antiperspirants**

AB The invention concerns the use of **arylsulfatase** inhibitors in deodorants and **antiperspirants** to decrease body **odor** caused by decomposition of steroid esters; plant exts., fragrances, flavanoids, isoflavanoids, polyphenols, 6,7-disubstituted-2,2-dialkylchromanes or chromenes are used. Thus a water-free. . .

ST **arylsulfatase** inhibitor deodorant **antiperspirant** plant  
ext flavanoid polyphenol chroman

IT **Odor** and Odorous substances  
(Protectate HR; **arylsulfatase** inhibitors in deodorants and  
**antiperspirants**)

IT Aglycons  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(anthocyanidins; **arylsulfatase** inhibitors in deodorants and  
**antiperspirants**)

IT **Odor** and Odorous substances  
Perfumes  
Sex

(**arylsulfatase** inhibitors in deodorants and  
**antiperspirants**)

IT Flavanols  
Flavones  
Flavonoids  
Isoflavonoids  
Tannins

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(**arylsulfatase** inhibitors in deodorants and  
**antiperspirants**)

IT Pinus pinaster  
(bark, extract of; **arylsulfatase** inhibitors in deodorants and  
**antiperspirants**)

IT Sterols  
RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(esters, decomposition of; **arylsulfatase** inhibitors in deodorants  
and **antiperspirants**)

IT Epilobium angustifolium  
Hyssopus officinalis  
Rosmarinus officinalis  
Syzygium aromaticum  
Vitis vinifera

(extract of; **arylsulfatase** inhibitors in deodorants and  
**antiperspirants**)

IT Algae  
(exts. of; **arylsulfatase** inhibitors in deodorants and  
**antiperspirants**)

IT Embryophyta  
(medicinal plant, exts. of; **arylsulfatase** inhibitors in  
deodorants and **antiperspirants**)

IT Phenols, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(polyphenols, nonpolymeric, acyl derivs.; **arylsulfatase**  
inhibitors in deodorants and **antiperspirants**)

IT Phenols, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(polyphenols, nonpolymeric; **arylsulfatase** inhibitors in  
deodorants and **antiperspirants**)

IT Wine  
(red, extract of; **arylsulfatase** inhibitors in deodorants and  
**antiperspirants**)

IT Malus pumila

(seeds, exts. of; **arylsulfatase** inhibitors in deodorants and antiperspirants)

IT 60-81-1, Phlorizin 87-66-1, Pyrogallol 108-46-3, Resorcin, biological studies 108-73-6, Phloroglucin 123-31-9, Hydroquinone, biological studies 125-46-2, Usnic acid 149-91-7, Gallic acid, biological studies 149-91-7D, Gallic acid, Digalloy derivs. 153-18-4, Rutin 254-04-6D, 2H-1-Benzopyran, 6,7-disubstituted-2,2-dialkyl derivs. 446-72-0, Genistein 480-35-3, Eriodictin 485-72-3, Formononetin 486-66-8, Daidzein 493-08-3D, Chroman, 6,7-disubstituted-2,2-dialkyl derivs. 520-26-3, Hesperidin 520-27-4, Diosmin 529-59-9, Genistin 536-08-3D, Digallic acid, derivs. 552-66-9, Daidzin 578-74-5 608-80-0, Hexahydroxybenzene 1327-41-9, Aluminum chlorohydrate 7085-55-4, Troxerutin 9003-13-8, Ucon fluid AP 10236-47-2, Naringin 13241-33-3, Neohesperidin 20702-77-6, Neohesperidin dihydrochalcone 23869-24-1, Monoxerutin 40957-83-3, Glycitein 83923-51-7 110225-00-8, Eutanol G16 130603-71-3,  $\alpha$ -Glucosylrutin 159519-79-6, Brenzcatechin 221904-13-8 221904-19-4 457900-97-9

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(**arylsulfatase** inhibitors in deodorants and antiperspirants)

IT 9016-17-5, **Arylsulfatase**

RL: BSU (Biological study, unclassified); BIOL (Biological study)

(inhibitors; **arylsulfatase** inhibitors in deodorants and antiperspirants)

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## **Chronic Body Odor Is NOT Your Fault!**

Here is some information on your condition you need to know that most other websites won't tell you.

### **"Chronic Body Odor Facts You Need To Know"**

You need to know what you're dealing with so you can effectively rid your life of this debilitating, unnecessary injustice.

I know once you get done reading the rest of this you'll be amazed that there is a product that will help **eliminate your condition** faster than any other therapy or treatment you have ever tried. And, sadly, you may also become angry that no one has told you about it sooner.

Ok, Here's everything you ever need to know about your **chronic body odor**...

### **"Your Chronic Body Odor Symptoms"**

You need to be able to tell if what you have is really **chronic body odor**.

Symptoms of **chronic body odor** are:

- **Strong odors** that come from various regions of your body, but most commonly from the groin and armpits.
- A **sourbody smell** that returns no matter how meticulous your personal hygiene is.
- A **persistent "off" odor** that is not eliminated by antibacterial soaps.
- **Chronic body odor** that can't be masked by antiperspirants, deodorants or perfumes.
- A **body odor** that becomes even more noticeable when you sweat.

If the above symptoms describe what you are suffering from you have a **chronic body odor** problem.

**Is it your fault? Something you have done, ... or not done? Absolutely NOT!!**

Keep reading because everybody's next question is always...

### **"What Caused Your Chronic Body Odor?"**

I will repeat what I said earlier and I want you to really listen: **You didn't do anything wrong and your strong body odor is not your fault.** This is very important and I want you to reread the above sentence. Finished? Ok...let's keep going.

Your **embarrassing condition**, which negatively affects so many aspects of your life, is actually not a case of improper or poor personal hygiene, your diet, or your genetics.

**The problem is bacteria.** Everyone that I have ever counseled on this problem is extremely relieved and thankful to hear that they are not at fault ... I know you will be, too.

In fact, even excessive sweating does not cause **bad body odor**. Sweat is actually just a mixture of salts and water. The culprit of the **sour and "off" odor** that you are experiencing is



the abnormal bacterium found in your body.

The bacteria are excreted through your sweat glands and produce an overpowering smell which we tend to associate with poor hygiene and being dirty. This is very far from the truth.

In fact, the method for treating bad body odor is to get rid of the odor producing bacteria in the first place.

You can look at the photos below and you will see how serious **bad body odor** really is to your life.

### **"Your Bad Body Odor Treatment or Remedy Options"**

You have several options to treat your **embarrassing body smell**, although if you are like other victims of **bad body odor** you have probably tried them all, multiple times, without any success.

The most common treatment prescribed for **chronic body odor** is better hygiene. Well guess what? If you don't treat the actual cause of the problem (the bacteria *inside* your body), **better hygiene isn't going to work.**

Besides, wouldn't taking a shower several times a day and applying deodorant every couple of hours sound like good hygiene already?

Many medical professionals will tell you to use a stronger antiperspirant or deodorant to **mask the smell.** Well, first of all, we still aren't taking care of the main culprit – the bacteria... the last time I looked deodorant and antiperspirants don't kill bacteria *inside* the body.

Other health practitioners may even try to persuade you to **undergo surgery** in an attempt to shut off the nerves that promote sweating. This procedure is not a walk in the park; in fact, there are many possible side effects and problems that can arise from this form of treatment.

And, once again, in the end the main problem is left untreated – the bacteria *inside* the body. **People, listen!! It's not the sweating that is causing the bad body odor... it's the bacteria *in* the sweat!**

By now I know you're wondering if there is a better way, a safer, faster or more efficient way you can permanently deal with your **chronic body odor condition.**